Yahoo Group Archive: ham-antennas (2011-08 — 2011-12)

Yahoo Group summary: ham-antennas

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2011-08-01 through 2011-12-31

Source WARC: ham-antennas.8xIDMtO.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-05-18T18-10-39Z-37f463

Messages included in this PDF: 2774

Messages omitted as spam from this PDF: 13

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

19060. Re: [ham-antennas] Re: WTB - Update - HF Wattmeter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 00:16:53 UTC
From: John P.
Topic: 18920 Message: 19060

Hi,

  There is a review of this kit at
    http://www.eham.net/reviews/detail/999

   And the item can be found at:
     http://www.hi-rescom.com/html/pdc-1.html

   The price is $27.95 + S&H

  Per the information "installed successfully in Drake, MFJ, Daiwa, Ten Tec, Heathkit and Nye Viking wattmeters (among others!)"

  BTW, I am not affiliated with this business, only sharing information.

John - WA2HIP
http://wa2hip.com

--- On Sun, 7/31/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@charter.net>
Subject: Re: [ham-antennas] Re: WTB - Update - HF Wattmeter
To: ham-antennas@yahoogroups.com
Date: Sunday, July 31, 2011, 7:40 PM

Yes. It would be a gread addition as a flat top indicator or preventing

overdrive causing the clipped top waveforms aka flat topping. Did you buy

it as a kit. Is it still for sale?

Larry WA9G

----- Original Message -----

From: John P.

To: ham-antennas@yahoogroups.com

Sent: Sunday, July 31, 2011 11:40 AM

Subject: Re: [ham-antennas] Re: WTB - Update - HF Wattmeter

Hi,

Are you asking about the peak reading Kit????

John - WA2HIP

http://wa2hip.com

--- On Sun, 7/31/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@...>

Subject: Re: [ham-antennas] Re: WTB - Update - HF Wattmeter

To: ham-antennas@yahoogroups.com

Date: Sunday, July 31, 2011, 12:06 PM

Could you relay it to us? I have the Heath Watt meter too.

----- Original Message -----

From: John P.

To: ham-antennas@yahoogroups.com

Sent: Sunday, July 31, 2011 10:36 AM

Subject: Re: [ham-antennas] Re: WTB - Update - HF Wattmeter

Generally, I agree.

But, I do want the peak reading feature and I am thinking that by the time

I add the circuit for this feature then the costs will be similar.

I do have the circuit for the peak reading feature addition/mod.

John - WA2HIP

http://wa2hip.com

--- On Sun, 7/31/11, Bob Macklin <macklinbob@msn.com> wrote:

From: Bob Macklin <macklinbob@...>

Subject: Re: [ham-antennas] Re: WTB - Update - HF Wattmeter

To: ham-antennas@yahoogroups.com

Date: Sunday, July 31, 2011, 11:33 AM

The Heathkit HM-102 is a good SWR/PWR meter. You can find them on eBay for

less than a MFJ will cost you and they really are better.

Bob Macklin

K5MYJ

Seattle, Wa.

"Real Radios Glow In The Dark"

----- Original Message -----

From: John P.

To: heathkit-radios@yahoogroups.com ; ham4sale@yahoogroups.com ;

ham-antennas@yahoogroups.com

Sent: Sunday, July 31, 2011 8:21 AM

Subject: [ham-antennas] Re: WTB - Update - HF Wattmeter

Hi all,

I am updated my posting. I am still looking. At this time, and looking at

my budget, I am thinking of the MFJ 815C which has peak reading,

cross-needle, and has 2 ranges including 2KW.

Some here had mentioned a Bird. But this is a little beyond my budget.

I continue to look to buy one in used but good condition.

Thanks,

John - WA2HIP

http://wa2hip.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19061. Re: 6 meter yagi

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 01:08:44 UTC
From: John
Topic: 18914 Message: 19061

UPDATE on the project

http://dixienc.us/W2AGR%20Antenna/First%20Step.htm
http://dixienc.us/W2AGR%20Antenna/W2AGR%20Second%20Step/W2AGR%20Second%20Step.htm

The element spacing is the same as the target antenna.

de W8CCW

--- In ham-antennas@yahoogroups.com, "John" <jferrell13@...> wrote:
>
>
>
>
> I hope to get back to it tomorrow afternoon. My wife has Dr's Office type surgery in the morning. I was expecting worse, so that is good!
>
> Remember though, it is just a model. I am hoping the lurker's will catch any mistakes and the expert's will share their experience!
>
> This post is in the group instead of from T-Bird...
> de W8CCW
>
> --- In ham-antennas@yahoogroups.com, "George Kracke" <w2agr@> wrote:
> >
> > Looks like you have a handle on it. Please keep me posted
> > 73's
> > George
> > ----- Original Message -----
> > From: John Ferrell<mailto:jferrell13@>
> > To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> > Sent: Wednesday, July 27, 2011 10:29 AM
> > Subject: [ham-antennas] Re: 6 meter yagi
> >
> >
> >
> > Sorry, trying again....
> > http://www.dixienc.us/W2AGR%20Antenna/First%20Step.htm<http://www.dixienc.us/W2AGR%20Antenna/First%20Step.htm>
> >
> > I hope this is better...
> > I seemed to lose my setup when I upgraded Thunderbird..
> > --
> >
> > *John Ferrell W8CCW*
> >

> > **<http://www.quotationspage.com/quote/27619.html<http://www.quotationspage.com/quote/27619.html>>
> >
> > */
> > /*//
> >
> > **
> >
> > **
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

19062. Re: [ham-antennas] Re: DX-CC coils

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 01:44:37 UTC
From: Ron Youvan
Topic: 19053 Message: 19062

Terry wd4aon@... wrote:

> These are loading coils, not traps, thus no capacitors. It is the 80/40
> meter wire antenna with coils placed to enable operation on both bands.
> Sixty-some feet of AWG 18# wire has some resistance. I can measure none
> - dead short.

100' of AWG 18 = 1.30 Ohms. I've never heard of 60' of wire to make a loading coil.

> I believe the 'transitrap' arrestor is shorted as well. I'm just going
> to replace it with an old w2au 1:1 balun.
> The antenna is a fan dipole type, with the longest wire (80/40) loaded
> for 80 Meters.

I would like to find out what model antenna that we are talking about that uses loading coils to
make a fan dipole.

> Would like to know the inductance if possible. I can calculate estimate,
> but want to know for sure as the coils function electrically in
> resonating the 80/40 meter wire.
--
sent with LINUX
Ron KA4INM - Linux, the way to get rid of viruses!
-- MaDsen Wikholm, mwikholm@...

19063. Re: [ham-antennas] Re: WTB - Update - HF Wattmeter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 02:00:09 UTC
From: Larry Tooley
Topic: 18920 Message: 19063

Thanks, I was hoping for a home brew version. But this looks like a surefire winner.
----- Original Message -----
From: John P.
To: ham-antennas@yahoogroups.com
Sent: Sunday, July 31, 2011 7:16 PM
Subject: Re: [ham-antennas] Re: WTB - Update - HF Wattmeter

Hi,

There is a review of this kit at
http://www.eham.net/reviews/detail/999

And the item can be found at:
http://www.hi-rescom.com/html/pdc-1.html

The price is $27.95 + S&H

Per the information "installed successfully in Drake, MFJ, Daiwa, Ten Tec, Heathkit and Nye Viking wattmeters (among others!)"

BTW, I am not affiliated with this business, only sharing information.

John - WA2HIP
http://wa2hip.com

--- On Sun, 7/31/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@...>
Subject: Re: [ham-antennas] Re: WTB - Update - HF Wattmeter
To: ham-antennas@yahoogroups.com
Date: Sunday, July 31, 2011, 7:40 PM

Yes. It would be a gread addition as a flat top indicator or preventing

overdrive causing the clipped top waveforms aka flat topping. Did you buy

it as a kit. Is it still for sale?

Larry WA9G

[Non-text portions of this message have been removed]

19064. Re: [ham-antennas] Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 13:05:09 UTC
From: Dean Moore
Topic: 18996 Message: 19064

Thanks to all who offered ideas and suggestions about my proposed 10m crossed dipole design. I've decided I will be better off to construct (today) a new dipole and make it manually rotatable. This will solve my problem of directivity.

But now I have another question. I'm going to make the two dipole elements with 3/8" diameter thin walled rigid copper pipes, and I'm going to provide an overhead support with nylon or plastic string to maintain the tubes in almost perfectly horizontal position. I have a feeling the antenna will function better if the elements are perfectly straight and not sagging on the ends. My overall length will be about 16.5 feet. Each element will be about 8.25 feet. However, when I space the two elements apart at the center feed point for connections, then the outer ends are further apart than the 16.5 feet. A 2" gap in the middle results in an overall length of about 16 feet 8 inches. A 4" gap, etc, etc. So, my question is, should the overall length be maintained regardless of the gap between elements at the center feed point? And how does the gap at the center affect it?

19065. RE: [ham-antennas] Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 13:31:43 UTC
From: Richard Schmuke
Topic: 18996 Message: 19065

You want the overall size of the dipole to be held to the design length. If the ends of the copper have a gap in the middle that will be filled when you spread the center conductor and shield of the coax and attach it to the copper. Also note a little sag of a inch or two won't hurt. You will find as the numbers increase from 10 to 20 or 40 you might find more sagging.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dean Moore
Sent: Monday, August 01, 2011 8:05 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 10m Unusual Antenna

Thanks to all who offered ideas and suggestions about my proposed 10m crossed dipole design. I've decided I will be better off to construct (today) a new dipole and make it manually rotatable. This will solve my problem of directivity.

But now I have another question. I'm going to make the two dipole elements with 3/8" diameter thin walled rigid copper pipes, and I'm going to provide an overhead support with nylon or plastic string to maintain the tubes in almost perfectly horizontal position. I have a feeling the antenna will function better if the elements are perfectly straight and not sagging on the ends. My overall length will be about 16.5 feet. Each element will be about 8.25 feet. However, when I space the two elements apart at the center feed point for connections, then the outer ends are further apart than the 16.5 feet. A 2" gap in the middle results in an overall length of about 16 feet 8 inches. A 4" gap, etc, etc. So, my question is, should the overall length be maintained regardless of the gap between elements at the center feed point? And how does the gap at the center affect it?

[Non-text portions of this message have been removed]

19066. Re: [ham-antennas] Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 13:38:47 UTC
From: Memwl
Topic: 18996 Message: 19066

May I suggest you use aluminum, That way you can make it longer and slide it in and out for the best performance
Tell you the truth The measurements are kind of ball park, I always have to trim or shorten to the correct length
and it will be easier to trim to the right length as we all know, once you cut it
Its done.
if you can construct this with copper use the same make the ends slide in or out, That way you can cover more bands if you chose to
I did not see a call sign so I do not know your classification.
I am quite sure some more people have an answer, just my 2 pennies.

ke7sbe
Mike

>_____
>From: Dean Moore <dean243@...>
>To: ham-antennas@yahoogroups.com
>Sent: Monday, August 1, 2011 6:05 AM
>Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
>
>
>
>Thanks to all who offered ideas and suggestions about my proposed 10m
>crossed dipole design. I've decided I will be better off to construct
>(today) a new dipole and make it manually rotatable. This will solve my
>problem of directivity.
>
>But now I have another question. I'm going to make the two dipole
>elements with 3/8" diameter thin walled rigid copper pipes, and I'm
>going to provide an overhead support with nylon or plastic string to
>maintain the tubes in almost perfectly horizontal position. I have a
>feeling the antenna will function better if the elements are perfectly
>straight and not sagging on the ends. My overall length will be about
>16.5 feet. Each element will be about 8.25 feet. However, when I space
>the two elements apart at the center feed point for connections, then
>the outer ends are further apart than the 16.5 feet. A 2" gap in the
>middle results in an overall length of about 16 feet 8 inches. A 4"
>gap, etc, etc. So, my question is, should the overall length be
>maintained regardless of the gap between elements at the center feed
>point? And how does the gap at the center affect it?
>
>
>
>

[Non-text portions of this message have been removed]

19067. Re: [ham-antennas] Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 13:55:59 UTC
From: Dean Moore
Topic: 18996 Message: 19067

My apologies, Mike, my new Callsign is CD5846, EX- ZP6XD
I'm originally from Alabama, the Heart of Dixie.

Memwl wrote:
>
>
> May I suggest you use aluminum, That way you can make it longer and
> slide it in and out for the best performance
> Tell you the truth The measurements are kind of ? ball park, I always
> have to trim or shorten to the correct length?
> and it will be easier to trim to the right? length? as we all know, once
> you cut it
> Its done.
> if you can construct this with copper use the same make the ends slide
> in or out, That way you can cover more bands if you chose to?
> I did not see a call sign so I do not know your? classification.
> I am quite sure some more people have an answer, just my 2 pennies.
>
> ke7sbe
> Mike
>
> >_____
> >From: Dean Moore <dean243@... <mailto:dean243%40gmail.com>>
> >To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> >Sent: Monday, August 1, 2011 6:05 AM
> >Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
> >
> >
> >?
> >Thanks to all who offered ideas and suggestions about my proposed 10m
> >crossed dipole design. I've decided I will be better off to construct
> >(today) a new dipole and make it manually rotatable. This will solve my
> >problem of directivity.
> >
> >But now I have another question. I'm going to make the two dipole
> >elements with 3/8" diameter thin walled rigid copper pipes, and I'm
> >going to provide an overhead support with nylon or plastic string to
> >maintain the tubes in almost perfectly horizontal position. I have a
> >feeling the antenna will function better if the elements are perfectly
> >straight and not sagging on the ends. My overall length will be about
> >16.5 feet. Each element will be about 8.25 feet. However, when I space
> >the two elements apart at the center feed point for connections, then
> >the outer ends are further apart than the 16.5 feet. A 2" gap in the
> >middle results in an overall length of about 16 feet 8 inches. A 4"
> >gap, etc, etc. So, my question is, should the overall length be

> >maintained regardless of the gap between elements at the center feed
> >point? And how does the gap at the center affect it?
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

19068. 1:1x4:1 Test

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 14:28:46 UTC
From: Richard Schmuke
Topic: 19068 Message: 19068

Questions have been asked about what is better my 1:1 or the 4:1 balun
The PDF file shows the readings of my 80M size dipole fed with 450 Ohm line
and a 1:1 or a 4:1 balun. Because 10M is so good I might add some 10M half
wave lengths (17'4") to each side and see it I hit some sweet spots on the
lower bands. If I am thinking right a half wave in a antenna is 495/ Freq in
Mhz , it is 468/ Freq when you have the end effect. I am trying to avoid a
half dozen knife switches for different feed lengths. If the PDF can't be
seen please let me know.
Rich , Kd0zz

[Non-text portions of this message have been removed]

19069. Re: WTB - HF Wattmeter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 15:22:15 UTC
From: daverickmers
Topic: 18920 Message: 19069

I like these guys.

http://www.elecraft.com/W2/W2.htm

Dave kd6il
--- In ham-antennas@yahoogroups.com, "John P." <jpetrocxme@...> wrote:
>
> Greetings,
>
> I am looking for a good wattmeter, capable of reading up to about 1,500 watts.
>
> I am looking for perhaps an HM-102 or HM-2140.
>
> Reasonable cost and working condition.
>
> Thanks,
> John - WA2HIP
> http://wa2hip.com
>
>
>
> [Non-text portions of this message have been removed]
>

19070. Re: mercury

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 15:36:24 UTC
From: AlienRelics
Topic: 18937 Message: 19070

And better not put mercury on that aluminum.... ;')

http://www.youtube.com/watch?v=Z7Ilxsu-JlY

Steve Greenfield AE7HD

--- In ham-antennas@yahoogroups.com, "Setxchris" <cboone@...> wrote:
>
> AHHH Aluminum wire works...we arent talking DC here...SKIN effect is in place....AL works fine as an antenna (AHH can we say BASE antennas?) Just have to keep the connections oxidation free.
>
> Chris
> WB5ITT
>
> --- In ham-antennas@yahoogroups.com, "Larry Tooley" <wa9guu@> wrote:
> >
> > Or maybe galvanized fence wire?
> >
> > ----- Original Message -----
> > From: Siegfried Jackstien
> > To: ham-antennas@yahoogroups.com
> > Sent: Friday, July 29, 2011 5:44 AM
> > Subject: AW: [ham-antennas] mercury
> >
> >
> >
> > So a zinc plated steelwire could be better as a tinned copper wire?!?
> > Zinc is better as tin ....
> > And if rf only travels on surface>>> it travels better in zinc than in tin
> > Guess we all have to change our dipole wires :-)
> > ...ok bare copper would be better an both hi hi
> > Who has the money to erect a silver dipole (lowest losses)
> > Just some thoughts
> > Dg9bfc
> > Sigi
> > Ps I had good results with zinc plated steel ... compared to copper the
> > losses were not much I think
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Im
> > > Auftrag von Stan Labinsky Jr.
> > > Gesendet: Donnerstag, 28. Juli 2011 19:46
> > > An: ham-antennas@yahoogroups.com
> > > Betreff: Re: [ham-antennas] mercury

> > >
> > >
> > >
> > > Apparently then so is tinned wire, especially considering the skin depth
> > > issue.
> > >
> > > Hmmm....
> > >
> > > Stan
> > >
> > > ----- Original Message -----
> > > From: Larry Tooley
> > > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > > Sent: Wednesday, July 27, 2011 10:33 PM
> > > Subject: Re: [ham-antennas] mercury
> > >
> > > Does this mean tin/lead solder is a lot worse than we always thought it
> > > was???
>

19071. Re: DX-CC coils

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 17:01:42 UTC
From: alphadeltacom
Topic: 19053 Message: 19071

When it comes to coils and RF, there is no (or little) relationship between DC resistance and inductance/capacitance/reactance (assuming the wire is not so lossy that is has too much DC resistance, which of course these wires don't). Over the length of wire used in the DX-CC coils (69 turns, not feet, 18 ga. enamel) it is normal to show a DC resistance of "short" on a normal VOM. It is actually a few milli-ohms but you won't see it.

The important thing for RF is the inductance of the coil (XL=2πfL) and the interwinding capacitance between the turns (XC=1/2πfC). This combination determines the loading and trapping action of the coils, based on the ham band in use. On 80 meters, the coil is a loading coil for the entire length of wire and on 40 meters, it is an isolating or choking coil for that section.

If sunlight takes off the enamel across the top of the coil wires, it is not a problem. The enamel between turns is what counts and the sun can't get to it. The wires are still insulated from each other There is still enamel on the wire so that even scraping or sun damage across the top of the coils still doesn't "short" across the coils with regard to the reactance/capacitance of the entire coil.

This has been tested many, many times over the 25 years we've been producing this design and there has NEVER been a failure from sun damage. It just doesn't work that way.

I would say the coils are normal and the antenna should work fine if installed properly. If the problem is that the Model SEP static cartridge has failed due to being zapped by a static charge beyond its rating, then that could be a problem and it should be removed. The SEP goes to a short in that case, protecting the equipment until replaced or removed. It is not necessary for the proper operation of the antenna and can be replaced later.

Hope this clears some things up.

Don, W8AD, Alpha Delta

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Terry wd4aon@... wrote:
>
> > These are loading coils, not traps, thus no capacitors. It is the 80/40
> > meter wire antenna with coils placed to enable operation on both bands.
> > Sixty-some feet of AWG 18# wire has some resistance. I can measure none
> > - dead short.
>
> 100' of AWG 18 = 1.30 Ohms. I've never heard of 60' of wire to make a loading coil.
>
> > I believe the 'transitrap' arrestor is shorted as well. I'm just going
> > to replace it with an old w2au 1:1 balun.
> > The antenna is a fan dipole type, with the longest wire (80/40) loaded
> > for 80 Meters.
>

> I would like to find out what model antenna that we are talking about that uses loading coils to
> make a fan dipole.
>
> > Would like to know the inductance if possible. I can calculate estimate,
> > but want to know for sure as the coils function electrically in
> > resonating the 80/40 meter wire.
> --
> sent with LINUX
> Ron KA4INM - Linux, the way to get rid of viruses!
> -- MaDsen Wikholm, mwikholm@...
>

19072. Re: DX-CC coils

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 17:02:26 UTC
From: alphadeltacom
Topic: 19053 Message: 19072

When it comes to coils and RF, there is no (or little) relationship between DC resistance and inductance/capacitance/reactance (assuming the wire is not so lossy that is has too much DC resistance, which of course these wires don't). Over the length of wire used in the DX-CC coils (69 turns, not feet, 18 ga. enamel) it is normal to show a DC resistance of "short" on a normal VOM. It is actually a few milli-ohms but you won't see it.

The important thing for RF is the inductance of the coil (XL=2πfL) and the interwinding capacitance between the turns (XC=1/2πfC). This combination determines the loading and trapping action of the coils, based on the ham band in use. On 80 meters, the coil is a loading coil for the entire length of wire and on 40 meters, it is an isolating or choking coil for that section.

If sunlight takes off the enamel across the top of the coil wires, it is not a problem. The enamel between turns is what counts and the sun can't get to it. The wires are still insulated from each other There is still enamel on the wire so that even scraping or sun damage across the top of the coils still doesn't "short" across the coils with regard to the reactance/capacitance of the entire coil.

This has been tested many, many times over the 25 years we've been producing this design and there has NEVER been a failure from sun damage. It just doesn't work that way.

I would say the coils are normal and the antenna should work fine if installed properly. If the problem is that the Model SEP static cartridge has failed due to being zapped by a static charge beyond its rating, then that could be a problem and it should be removed. The SEP goes to a short in that case, protecting the equipment until replaced or removed. It is not necessary for the proper operation of the antenna and can be replaced later.

Hope this clears some things up.

Don, W8AD, Alpha Delta

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Terry wd4aon@... wrote:
>
> > These are loading coils, not traps, thus no capacitors. It is the 80/40
> > meter wire antenna with coils placed to enable operation on both bands.
> > Sixty-some feet of AWG 18# wire has some resistance. I can measure none
> > - dead short.
>
> 100' of AWG 18 = 1.30 Ohms. I've never heard of 60' of wire to make a loading coil.
>
> > I believe the 'transitrap' arrestor is shorted as well. I'm just going
> > to replace it with an old w2au 1:1 balun.
> > The antenna is a fan dipole type, with the longest wire (80/40) loaded
> > for 80 Meters.
>

> I would like to find out what model antenna that we are talking about that uses loading coils to
> make a fan dipole.
>
> > Would like to know the inductance if possible. I can calculate estimate,
> > but want to know for sure as the coils function electrically in
> > resonating the 80/40 meter wire.
> --
> sent with LINUX
> Ron KA4INM - Linux, the way to get rid of viruses!
> -- MaDsen Wikholm, mwikholm@...
>

19073. Re: DX-CC coils

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 17:08:00 UTC
From: alphadeltacom
Topic: 19053 Message: 19073

Oops. Sorry for the scramble on the formulas. It must be function of my MacBook. looked OK here. To clarify, XL=2piFL and XC=1/2piFC. I think the "pi" graphic symbol scrambled things.

Don

--- In ham-antennas@yahoogroups.com, "alphadeltacom" <tyrrell@...> wrote:
>
> When it comes to coils and RF, there is no (or little) relationship between DC resistance and inductance/capacitance/reactance (assuming the wire is not so lossy that is has too much DC resistance, which of course these wires don't). Over the length of wire used in the DX-CC coils (69 turns, not feet, 18 ga. enamel) it is normal to show a DC resistance of "short" on a normal VOM. It is actually a few milli-ohms but you won't see it.
>
> The important thing for RF is the inductance of the coil (XL=2πfL) and the interwinding capacitance between the turns (XC=1/2πfC). This combination determines the loading and trapping action of the coils, based on the ham band in use. On 80 meters, the coil is a loading coil for the entire length of wire and on 40 meters, it is an isolating or choking coil for that section.
>
> If sunlight takes off the enamel across the top of the coil wires, it is not a problem. The enamel between turns is what counts and the sun can't get to it. The wires are still insulated from each other There is still enamel on the wire so that even scraping or sun damage across the top of the coils still doesn't "short" across the coils with regard to the reactance/capacitance of the entire coil.
>
> This has been tested many, many times over the 25 years we've been producing this design and there has NEVER been a failure from sun damage. It just doesn't work that way.
>
> I would say the coils are normal and the antenna should work fine if installed properly. If the problem is that the Model SEP static cartridge has failed due to being zapped by a static charge beyond its rating, then that could be a problem and it should be removed. The SEP goes to a short in that case, protecting the equipment until replaced or removed. It is not necessary for the proper operation of the antenna and can be replaced later.
>
> Hope this clears some things up.
>
> Don, W8AD, Alpha Delta
>
> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@> wrote:
> >
> > Terry wd4aon@ wrote:
> >
> > > These are loading coils, not traps, thus no capacitors. It is the 80/40
> > > meter wire antenna with coils placed to enable operation on both bands.

> > > Sixty-some feet of AWG 18# wire has some resistance. I can measure none
> > > - dead short.
> >
> > 100' of AWG 18 = 1.30 Ohms. I've never heard of 60' of wire to make a loading coil.
> >
> > > I believe the 'transitrap' arrestor is shorted as well. I'm just going
> > > to replace it with an old w2au 1:1 balun.
> > > The antenna is a fan dipole type, with the longest wire (80/40) loaded
> > > for 80 Meters.
> >
> > I would like to find out what model antenna that we are talking about that uses loading
coils to
> > make a fan dipole.
> >
> > > Would like to know the inductance if possible. I can calculate estimate,
> > > but want to know for sure as the coils function electrically in
> > > resonating the 80/40 meter wire.
> > --
> > sent with LINUX
> > Ron KA4INM - Linux, the way to get rid of viruses!
> > -- MaDsen Wikholm, mwikholm@
> >
>

19074. Re: [ham-antennas] Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 22:01:54 UTC
From: Ron Youvan
Topic: 18996 Message: 19074

Dean Moore wrote:

> Thanks to all who offered ideas and suggestions about my proposed 10m
> crossed dipole design. I've decided I will be better off to construct
> (today) a new dipole and make it manually rotatable. This will solve my
> problem of directivity.

> But now I have another question. I'm going to make the two dipole
> elements with 3/8" diameter thin walled rigid copper pipes, and I'm
> going to provide an overhead support with nylon or plastic string to
> maintain the tubes in almost perfectly horizontal position. I have a
> feeling the antenna will function better if the elements are perfectly
> straight and not sagging on the ends. My overall length will be about
> 16.5 feet. Each element will be about 8.25 feet. However, when I space
> the two elements apart at the center feed point for connections, then
> the outer ends are further apart than the 16.5 feet. A 2" gap in the
> middle results in an overall length of about 16 feet 8 inches. A 4"
> gap, etc, etc. So, my question is, should the overall length be
> maintained regardless of the gap between elements at the center feed
> point? And how does the gap at the center affect it?

Properly each half of a dipole is not an element. The entire dipole is an element.
The length of the conductors is what counts, not the overall length.
Why don't you just buy a used 2 element beam?
--
sent with LINUX
Ron KA4INM - Linux, the way to get rid of viruses!
-- MaDsen Wikholm, mwikholm@...

19075. Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-01 23:43:22 UTC
From: w4phs
Topic: 19075 Message: 19075

I have an antenna question. The easiest way to explain it is to go through my reasoning.

1. With a dipole antenna, the transmitter is an "electron pump" that moves electrons between the two sides of the dipole. Assuming there is no arcing, the same electrons move back and forth on each cycle. During one half-cycle there are extra electrons on one side and fewer on the other, then they flow back to the other side on the next half-cycle.

2. An end-fed antenna has to have a counterpoise. If the counterpoise is a wire laid on the ground under the antenna, it effectively serves as one side of a dipole -- that is, it is an electron reservoir that accepts electrons during the down cycle when electrons are being pulled out of the antenna, and it is an electron source during the up-cycle where electrons are fed back into the antenna.

3. If my view of the counterpoise being a reservoir is correct, then it seems to me that you could replace the counterpoise with a suitable size/voltage capacitor. One side of the capacitor would connect to the transmitter lead (opposite the antenna), and the other side of the capacitor would be grounded. The capacitor would act as the electron reservoir just as the counterpoise did. The capacitor would probably have to be non-polarized. I don't know what capacitance would be required to handle the job.

Is this reasoning correct, or are there other functions that the counterpoise performs besides being a capacitor?

Phil
W4PHS

19076. Re: [ham-antennas] Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 00:11:49 UTC
From: Ron Youvan
Topic: 19075 Message: 19076

Phil W4PHS wrote:

> I have an antenna question. The easiest way to explain it is to go
> through my reasoning.

> 1. With a dipole antenna, the transmitter is an "electron pump" that
> moves electrons between the two sides of the dipole. Assuming there is
> no arcing, the same electrons move back and forth on each cycle. During
> one half-cycle there are extra electrons on one side and fewer on the
> other, then they flow back to the other side on the next half-cycle.

Antennas are tank circuits, but the electron flows goes from end to end, as the energy goes from
inductance to capacitance.

> 2. An end-fed antenna has to have a counterpoise. If the counterpoise is
> a wire laid on the ground under the antenna, it effectively serves as
> one side of a dipole -- that is, it is an electron reservoir that
> accepts electrons during the down cycle when electrons are being pulled
> out of the antenna, and it is an electron source during the up-cycle
> where electrons are fed back into the antenna.

Incorrectly stated, 1/2 of an antenna (1/4 wl) needs a counterpoise to form the other half, a 1/2
wl antenna (an element) holds both polarities (dipole) needs no counterpoise as a center or end fed
antenna.

> 3. If my view of the counterpoise being a reservoir is correct, then it
> seems to me that you could replace the counterpoise with a suitable
> size/voltage capacitor. One side of the capacitor would connect to the
> transmitter lead (opposite the antenna), and the other side of the
> capacitor would be grounded. The capacitor would act as the electron
> reservoir just as the counterpoise did. The capacitor would probably
> have to be non-polarized. I don't know what capacitance would be
> required to handle the job.

A dipole is an inductance (the wire) and a capacitor (the two ends of the wire) that resonate
together, a tank. The circuit impedance of the capacitor is extremely high, higher than a foil and
paper device.

> Is this reasoning correct, or are there other functions that the
> counterpoise performs besides being a capacitor?

If the counterpoise is not tuned (way over a 1/4 wl) the counterpoise is a reflector reflecting a
mirror image (reversed) of the 1/4 wl device.
--
sent with LINUX
Ron KA4INM - Linux, the way to get rid of viruses!
-- MaDsen Wikholm, mwikholm@...

19077. RE: [ham-antennas] Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 08:03:21 UTC
From: jo barden
Topic: 18996 Message: 19077

Hi Dean

here is what I have gleaned over the years, the larger the diameter of the element the more broadband the antenna will be (lower Q) however you then have mechanical problems, weight, droop etc. as for the distance between elements well there will be a capacitance effect but I am in the process of making a 15m moxon and I am using a spacing of 1" at feed point, then 16g wire on bamboo frame.

If you want a directional antenna I would look at the moxon, especially as it has a feed point of 50 ohms, have a look at http://www.moxonantennaproject.com/design.htm
very interesting.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: ka4inm@...
Date: Mon, 1 Aug 2011 22:01:54 +0000
Subject: Re: [ham-antennas] Re: 10m Unusual Antenna

Dean Moore wrote:

> Thanks to all who offered ideas and suggestions about my proposed 10m

> crossed dipole design. I've decided I will be better off to construct

> (today) a new dipole and make it manually rotatable. This will solve my

> problem of directivity.

> But now I have another question. I'm going to make the two dipole

> elements with 3/8" diameter thin walled rigid copper pipes, and I'm

> going to provide an overhead support with nylon or plastic string to

> maintain the tubes in almost perfectly horizontal position. I have a

> feeling the antenna will function better if the elements are perfectly

> straight and not sagging on the ends. My overall length will be about

> 16.5 feet. Each element will be about 8.25 feet. However, when I space

> the two elements apart at the center feed point for connections, then

> the outer ends are further apart than the 16.5 feet. A 2" gap in the

> middle results in an overall length of about 16 feet 8 inches. A 4"

> gap, etc, etc. So, my question is, should the overall length be

> maintained regardless of the gap between elements at the center feed

> point? And how does the gap at the center affect it?

Properly each half of a dipole is not an element. The entire dipole is an element.

The length of the conductors is what counts, not the overall length.

Why don't you just buy a used 2 element beam?

--

sent with LINUX

Ron KA4INM - Linux, the way to get rid of viruses!

-- MaDsen Wikholm, mwikholm@...

[Non-text portions of this message have been removed]

19078. Re: [ham-antennas] Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 10:15:34 UTC
From: Larry Tooley
Topic: 19075 Message: 19078

If the counterpoise is slowly shrunk from a 1/4 wavelength on down, the capacitive reactance grows larger. You are getting your free capacitance, but the antenna goes out of tune. It needs a larger coil as you shorten the counterpoise, until you have a large coil as the counterpoise. Is this right?????

----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Monday, August 01, 2011 7:11 PM
Subject: Re: [ham-antennas] Capacitor rather than counterpoise for end-fed antenna?

Phil W4PHS wrote:

> I have an antenna question. The easiest way to explain it is to go
> through my reasoning.

> 1. With a dipole antenna, the transmitter is an "electron pump" that
> moves electrons between the two sides of the dipole. Assuming there is
> no arcing, the same electrons move back and forth on each cycle. During
> one half-cycle there are extra electrons on one side and fewer on the
> other, then they flow back to the other side on the next half-cycle.

Antennas are tank circuits, but the electron flows goes from end to end, as the energy goes from
inductance to capacitance.

> 2. An end-fed antenna has to have a counterpoise. If the counterpoise is
> a wire laid on the ground under the antenna, it effectively serves as
> one side of a dipole -- that is, it is an electron reservoir that
> accepts electrons during the down cycle when electrons are being pulled
> out of the antenna, and it is an electron source during the up-cycle
> where electrons are fed back into the antenna.

Incorrectly stated, 1/2 of an antenna (1/4 wl) needs a counterpoise to form the other half, a 1/2
wl antenna (an element) holds both polarities (dipole) needs no counterpoise as a center or end fed
antenna.

> 3. If my view of the counterpoise being a reservoir is correct, then it
> seems to me that you could replace the counterpoise with a suitable
> size/voltage capacitor. One side of the capacitor would connect to the
> transmitter lead (opposite the antenna), and the other side of the

> capacitor would be grounded. The capacitor would act as the electron
> reservoir just as the counterpoise did. The capacitor would probably
> have to be non-polarized. I don't know what capacitance would be
> required to handle the job.

A dipole is an inductance (the wire) and a capacitor (the two ends of the wire) that resonate
together, a tank. The circuit impedance of the capacitor is extremely high, higher than a foil and
paper device.

> Is this reasoning correct, or are there other functions that the
> counterpoise performs besides being a capacitor?

If the counterpoise is not tuned (way over a 1/4 wl) the counterpoise is a reflector reflecting a
mirror image (reversed) of the 1/4 wl device.
--
sent with LINUX
Ron KA4INM - Linux, the way to get rid of viruses!
-- MaDsen Wikholm, mwikholm@...

[Non-text portions of this message have been removed]

19079. Re: [ham-antennas] Re: mercury

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 10:19:11 UTC
From: Larry Tooley
Topic: 18937 Message: 19079

WOW! That looks like the "blood" from Alien that burned through several decks.

----- Original Message -----
From: AlienRelics
To: ham-antennas@yahoogroups.com
Sent: Monday, August 01, 2011 10:36 AM
Subject: [ham-antennas] Re: mercury

And better not put mercury on that aluminum.... ;')

http://www.youtube.com/watch?v=Z7Ilxsu-JlY

Steve Greenfield AE7HD

--- In ham-antennas@yahoogroups.com, "Setxchris" <cboone@...> wrote:
>
> AHHH Aluminum wire works...we arent talking DC here...SKIN effect is in place....AL works fine as an antenna (AHH can we say BASE antennas?) Just have to keep the connections oxidation free.
>
> Chris
> WB5ITT
>
> --- In ham-antennas@yahoogroups.com, "Larry Tooley" <wa9guu@> wrote:
> >
> > Or maybe galvanized fence wire?
> >
> > ----- Original Message -----
> > From: Siegfried Jackstien
> > To: ham-antennas@yahoogroups.com
> > Sent: Friday, July 29, 2011 5:44 AM
> > Subject: AW: [ham-antennas] mercury
> >
> >
> >
> > So a zinc plated steelwire could be better as a tinned copper wire?!?
> > Zinc is better as tin ....
> > And if rf only travels on surface>>> it travels better in zinc than in tin
> > Guess we all have to change our dipole wires :-)
> > ...ok bare copper would be better an both hi hi
> > Who has the money to erect a silver dipole (lowest losses)
> > Just some thoughts
> > Dg9bfc
> > Sigi

> > Ps I had good results with zinc plated steel ... compared to copper
the
> > losses were not much I think
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]
> > Im
> > > Auftrag von Stan Labinsky Jr.
> > > Gesendet: Donnerstag, 28. Juli 2011 19:46
> > > An: ham-antennas@yahoogroups.com
> > > Betreff: Re: [ham-antennas] mercury
> > >
> > >
> > >
> > > Apparently then so is tinned wire, especially considering the skin
depth
> > > issue.
> > >
> > > Hmmm....
> > >
> > > Stan
> > >
> > > ----- Original Message -----
> > > From: Larry Tooley
> > > To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > > Sent: Wednesday, July 27, 2011 10:33 PM
> > > Subject: Re: [ham-antennas] mercury
> > >
> > > Does this mean tin/lead solder is a lot worse than we always thought
it
> > > was???
> >

[Non-text portions of this message have been removed]

19080. Re: [ham-antennas] Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 14:04:29 UTC
From: Memwl
Topic: 18996 Message: 19080

I did not find it in fcc database.

is this a vanity sign

ke7sbe

>_____
>From: Dean Moore <dean243@...>
>To: ham-antennas@yahoogroups.com
>Sent: Monday, August 1, 2011 6:55 AM
>Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
>
>My apologies, Mike, my new Callsign is CD5846, EX- ZP6XD
>I'm originally from Alabama, the Heart of Dixie.
>
>Memwl wrote:
>>
>>
>> May I suggest you use aluminum, That way you can make it longer and
>> slide it in and out for the best performance
>> Tell you the truth The measurements are kind of Â ball park, I always
>> have to trim or shorten to the correct lengthÂ
>> and it will be easier to trim to the rightÂ lengthÂ as we all know, once
>> you cut it
>> Its done.
>> if you can construct this with copper use the same make the ends slide
>> in or out, That way you can cover more bands if you chose toÂ
>> I did not see a call sign so I do not know yourÂ classification.
>> I am quite sure some more people have an answer, just my 2 pennies.
>>
>> ke7sbe
>> Mike
>>
>> >_____
>> >From: Dean Moore <dean243@... <mailto:dean243%40gmail.com>>
>> >To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>> >Sent: Monday, August 1, 2011 6:05 AM
>> >Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
>> >
>> >
>> >Â
>> >Thanks to all who offered ideas and suggestions about my proposed 10m
>> >crossed dipole design. I've decided I will be better off to construct
>> >(today) a new dipole and make it manually rotatable. This will solve my
>> >problem of directivity.
>> >

>> >But now I have another question. I'm going to make the two dipole
>> >elements with 3/8" diameter thin walled rigid copper pipes, and I'm
>> >going to provide an overhead support with nylon or plastic string to
>> >maintain the tubes in almost perfectly horizontal position. I have a
>> >feeling the antenna will function better if the elements are perfectly
>> >straight and not sagging on the ends. My overall length will be about
>> >16.5 feet. Each element will be about 8.25 feet. However, when I space
>> >the two elements apart at the center feed point for connections, then
>> >the outer ends are further apart than the 16.5 feet. A 2" gap in the
>> >middle results in an overall length of about 16 feet 8 inches. A 4"
>> >gap, etc, etc. So, my question is, should the overall length be
>> >maintained regardless of the gap between elements at the center feed
>> >point? And how does the gap at the center affect it?
>> >
>> >
>> >
>> >
>>
>> [Non-text portions of this message have been removed]
>>
>>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

19081. Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 14:48:32 UTC
From: AB2ZY
Topic: 18996 Message: 19081

The FCC doesn't issue licenses for Chile!

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Memwl <modkulla@...> wrote:
>
> I did not find it in fcc database.
>
> is this a vanity sign
>
> ke7sbe
>
>
>
> >_____
> >From: Dean Moore <dean243@...>
> >To: ham-antennas@yahoogroups.com
> >Sent: Monday, August 1, 2011 6:55 AM
> >Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
> >
> >My apologies, Mike, my new Callsign is CD5846, EX- ZP6XD
> >I'm originally from Alabama, the Heart of Dixie.
> >
> >Memwl wrote:
> >>
> >>
> >> May I suggest you use aluminum, That way you can make it longer and
> >> slide it in and out for the best performance
> >> Tell you the truth The measurements are kind of Â ball park, I always
> >> have to trim or shorten to the correct lengthÂ
> >> and it will be easier to trim to the rightÂ lengthÂ as we all know, once
> >> you cut it
> >> Its done.
> >> if you can construct this with copper use the same make the ends slide
> >> in or out, That way you can cover more bands if you chose toÂ
> >> I did not see a call sign so I do not know yourÂ classification.
> >> I am quite sure some more people have an answer, just my 2 pennies.
> >>
> >> ke7sbe
> >> Mike
> >>
> >> >_____
> >> >From: Dean Moore <dean243@... <mailto:dean243%40gmail.com>>
> >> >To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> >> >Sent: Monday, August 1, 2011 6:05 AM
> >> >Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
> >> >
> >> >
> >> >Â
> >> >Thanks to all who offered ideas and suggestions about my proposed 10m
> >> >crossed dipole design. I've decided I will be better off to construct
> >> >(today) a new dipole and make it manually rotatable. This will solve my
> >> >problem of directivity.
> >> >
> >> >But now I have another question. I'm going to make the two dipole
> >> >elements with 3/8" diameter thin walled rigid copper pipes, and I'm
> >> >going to provide an overhead support with nylon or plastic string to
> >> >maintain the tubes in almost perfectly horizontal position. I have a
> >> >feeling the antenna will function better if the elements are perfectly
> >> >straight and not sagging on the ends. My overall length will be about
> >> >16.5 feet. Each element will be about 8.25 feet. However, when I space
> >> >the two elements apart at the center feed point for connections, then
> >> >the outer ends are further apart than the 16.5 feet. A 2" gap in the
> >> >middle results in an overall length of about 16 feet 8 inches. A 4"
> >> >gap, etc, etc. So, my question is, should the overall length be
> >> >maintained regardless of the gap between elements at the center feed
> >> >point? And how does the gap at the center affect it?
> >> >
> >> >
> >> >
> >> >
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >
> >
> >----------------------------------
> >
> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> >Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> >Post message: ham-antennas@yahoogroups.com
> >Subscribe: ham-antennas-subscribe@yahoogroups.com
> >Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> >List owner: ham-antennas-owner@yahoogroups.com
> >Yahoo! Groups Links
> >
> >
> >
> >
> >
> >

>
> [Non-text portions of this message have been removed]
>

19082. Re: [ham-antennas] Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 15:01:22 UTC
From: van wd8aam
Topic: 18996 Message: 19082

you'll find it in QRZ.com
van
wd8aam

At 14:04 8/2/2011, you wrote:
>
>
>I did not find it in fcc database.
>
>is this a vanity sign
>
>ke7sbe
>
> >_____
> >From: Dean Moore <<mailto:dean243%40gmail.com>dean243@...>
> >To: <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
> >Sent: Monday, August 1, 2011 6:55 AM
> >Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
> >
> >My apologies, Mike, my new Callsign is CD5846, EX- ZP6XD
> >I'm originally from Alabama, the Heart of Dixie.
> >
> >Memwl wrote:
> >>
> >>
> >> May I suggest you use aluminum, That way you can make it longer and
> >> slide it in and out for the best performance
> >> Tell you the truth The measurements are kind of Â ball park, I always
> >> have to trim or shorten to the correct lengthÂ
> >> and it will be easier to trim to the rightÂ lengthÂ as we all know, once
> >> you cut it
> >> Its done.
> >> if you can construct this with copper use the same make the ends slide
> >> in or out, That way you can cover more bands if you chose toÂ
> >> I did not see a call sign so I do not know yourÂ classification.
> >> I am quite sure some more people have an answer, just my 2 pennies.
> >>
> >> ke7sbe
> >> Mike
> >>
> >> >_____
> >> >From: Dean Moore
> <<mailto:dean243%40gmail.com>dean243@... <mailto:dean243%40gmail.com>>
> >> >To:
> <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com

> <mailto:ham-antennas%40yahoogroups.com>
> >> >Sent: Monday, August 1, 2011 6:05 AM
> >> >Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
> >> >
> >> >
> >> >Â
> >> >Thanks to all who offered ideas and suggestions about my proposed 10m
> >> >crossed dipole design. I've decided I will be better off to construct
> >> >(today) a new dipole and make it manually rotatable. This will solve my
> >> >problem of directivity.
> >> >
> >> >But now I have another question. I'm going to make the two dipole
> >> >elements with 3/8" diameter thin walled rigid copper pipes, and I'm
> >> >going to provide an overhead support with nylon or plastic string to
> >> >maintain the tubes in almost perfectly horizontal position. I have a
> >> >feeling the antenna will function better if the elements are perfectly
> >> >straight and not sagging on the ends. My overall length will be about
> >> >16.5 feet. Each element will be about 8.25 feet. However, when I space
> >> >the two elements apart at the center feed point for connections, then
> >> >the outer ends are further apart than the 16.5 feet. A 2" gap in the
> >> >middle results in an overall length of about 16 feet 8 inches. A 4"
> >> >gap, etc, etc. So, my question is, should the overall length be
> >> >maintained regardless of the gap between elements at the center feed
> >> >point? And how does the gap at the center affect it?
> >> >
> >> >
> >> >
> >> >
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >
> >
> >----------------------------------
> >
> >HAM ANTENNAS Anything and everything, tell us
> or ask questions. Replies go to ALL 2586
> members (as of 6/28/11). and attachments are NOT permitted.
> >Any statements in ANY post that may be
> construed as inflamatory MAY be cause for
> suspension. Moderators WILL have final say in these matters.
> >Post message:
> <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
> >Subscribe:
> <mailto:ham-antennas-subscribe%40yahoogroups.com>ham-antennas-subscribe@yahoogroups.com
>
> >Unsubscribe:
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>ham-antennas-unsubscribe@yahoogroups.
com

>
> >List
> owner:
> <mailto:ham-antennas-owner%40yahoogroups.com>ham-antennas-owner@yahoogroups.com
>
> >Yahoo! Groups Links
> >
> >
> >
> >
> >
> >
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

19083. Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 18:01:50 UTC
From: applewiz2000
Topic: 19075 Message: 19083

Hi Phil,

Respectfully - your reasoning is totally wrong because you do not understand how electricity transfers energy. Electrons do NOT race up and down a dipole (or any antenna) when you transmit, or receive for that matter.

You should read "Understanding Electricity and Circuits: What the Text Books Don't Tell You" by Ian Sefton. Here is the link:
http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pdf

I don't know if it's allowed to place a link to that file into Yahoo groups link section?

73s,
Rob
(M0RZF)

19084. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 22:52:16 UTC
From: Memwl
Topic: 19075 Message: 19084

That is a great Link, cleared up a few things for me too
Ke7sbe

>_____
>From: applewiz2000 <rob.m0rzf@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, August 2, 2011 11:01 AM
>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
>
>
>
>
>
>Hi Phil,
>
>Respectfully - your reasoning is totally wrong because you do not understand how electricity transfers energy. Electrons do NOT race up and down a dipole (or any antenna) when you transmit, or receive for that matter.
>
>You should read "Understanding Electricity and Circuits: What the Text Books Don't Tell You" by Ian Sefton. Here is the link:
>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pdf
>
>I don't know if it's allowed to place a link to that file into Yahoo groups link section?
>
>73s,
>Rob
>(M0RZF)
>
>
>
>
>

[Non-text portions of this message have been removed]

19085. Re: [ham-antennas] Re: 10m Unusual Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-02 22:54:41 UTC
From: Memwl
Topic: 18996 Message: 19085

I thought he was from USA, I should have paid more attention, I apologize, I am still learning myself, thats why I joined a lot of groups.
ke7sbe

>_____
>From: AB2ZY <akozak@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, August 2, 2011 7:48 AM
>Subject: [ham-antennas] Re: 10m Unusual Antenna
>
>
>
>The FCC doesn't issue licenses for Chile!
>
>Al
>AB2ZY
>
>--- In ham-antennas@yahoogroups.com, Memwl <modkulla@...> wrote:
>>
>> I did not find it in fcc database.
>>
>> is this a vanity sign
>>
>> ke7sbe
>>
>>
>>
>> >_____
>> >From: Dean Moore <dean243@...>
>> >To: ham-antennas@yahoogroups.com
>> >Sent: Monday, August 1, 2011 6:55 AM
>> >Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
>> >
>> >My apologies, Mike, my new Callsign is CD5846, EX- ZP6XD
>> >I'm originally from Alabama, the Heart of Dixie.
>> >
>> >Memwl wrote:
>> >>
>> >>
>> >> May I suggest you use aluminum, That way you can make it longer and
>> >> slide it in and out for the best performance
>> >> Tell you the truth The measurements are kind of Â ball park, I always
>> >> have to trim or shorten to the correct lengthÂ
>> >> and it will be easier to trim to the rightÂ lengthÂ as we all know, once
>> >> you cut it

>> >> Its done.
>> >> if you can construct this with copper use the same make the ends slide
>> >> in or out, That way you can cover more bands if you chose toÂ
>> >> I did not see a call sign so I do not know yourÂ classification.
>> >> I am quite sure some more people have an answer, just my 2 pennies.
>> >>
>> >> ke7sbe
>> >> Mike
>> >>
>> >> >_____
>> >> >From: Dean Moore <dean243@... <mailto:dean243%40gmail.com>>
>> >> >To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>> >> >Sent: Monday, August 1, 2011 6:05 AM
>> >> >Subject: Re: [ham-antennas] Re: 10m Unusual Antenna
>> >> >
>> >> >
>> >> >Â
>> >> >Thanks to all who offered ideas and suggestions about my proposed 10m
>> >> >crossed dipole design. I've decided I will be better off to construct
>> >> >(today) a new dipole and make it manually rotatable. This will solve my
>> >> >problem of directivity.
>> >> >
>> >> >But now I have another question. I'm going to make the two dipole
>> >> >elements with 3/8" diameter thin walled rigid copper pipes, and I'm
>> >> >going to provide an overhead support with nylon or plastic string to
>> >> >maintain the tubes in almost perfectly horizontal position. I have a
>> >> >feeling the antenna will function better if the elements are perfectly
>> >> >straight and not sagging on the ends. My overall length will be about
>> >> >16.5 feet. Each element will be about 8.25 feet. However, when I space
>> >> >the two elements apart at the center feed point for connections, then
>> >> >the outer ends are further apart than the 16.5 feet. A 2" gap in the
>> >> >middle results in an overall length of about 16 feet 8 inches. A 4"
>> >> >gap, etc, etc. So, my question is, should the overall length be
>> >> >maintained regardless of the gap between elements at the center feed
>> >> >point? And how does the gap at the center affect it?
>> >> >
>> >> >
>> >> >
>> >> >
>> >>
>> >> [Non-text portions of this message have been removed]
>> >>
>> >>
>> >
>> >
>> >------------------------------------
>> >
>> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>> >Any statements in ANY post that may be construed as inflamatory MAY be cause for

suspension. Moderators WILL have final say in these matters.
>> >Post message: ham-antennas@yahoogroups.com
>> >Subscribe: ham-antennas-subscribe@yahoogroups.com
>> >Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> >List owner: ham-antennas-owner@yahoogroups.com
>> >Yahoo! Groups Links
>> >
>> >
>> >
>> >
>> >
>> >
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
>
>

[Non-text portions of this message have been removed]

19086. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 03:40:56 UTC
From: Larry Tooley
Topic: 19075 Message: 19086

OMG The link remindes me of Electrical Engineering classes which I came to hate. I use the formula the integral of e to the x power is a function of u to the nth power. It reads like this
x n
Se = f (u)

But why did Edisons DC lights at the end appear dim, when on AC they were all the same brightness.

----- Original Message -----
From: Memwl
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 02, 2011 5:52 PM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

That is a great Link, cleared up a few things for me too
Ke7sbe

>_____
>From: applewiz2000 <rob.m0rzf@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, August 2, 2011 11:01 AM
>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
>
>
>
>
>
>Hi Phil,
>
>Respectfully - your reasoning is totally wrong because you do not understand how electricity transfers energy. Electrons do NOT race up and down a dipole (or any antenna) when you transmit, or receive for that matter.
>
>You should read "Understanding Electricity and Circuits: What the Text Books Don't Tell You" by Ian Sefton. Here is the link:
>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pdf
>
>I don't know if it's allowed to place a link to that file into Yahoo groups link section?
>

>73s,
>Rob
>(M0RZF)
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19087. RE: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 06:24:41 UTC
From: Adrian
Topic: 19075 Message: 19087

But why did Edisons DC lights at the end appear dim, when on AC they were all the same brightness.

Volt drop; In the AC system you have the advantage of using HV stepped down via transformer to the relatively shorter distribution.

Adrian … vk4tux

[Non-text portions of this message have been removed]

19088. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 06:37:46 UTC
From: Larry Tooley
Topic: 19075 Message: 19088

Got it. Thanks.

----- Original Message -----
From: Adrian
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 03, 2011 1:24 AM
Subject: RE: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

But why did Edisons DC lights at the end appear dim, when on AC they were all the same brightness.

Volt drop; In the AC system you have the advantage of using HV stepped down via transformer to the relatively shorter distribution.

Adrian … vk4tux

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19089. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 07:07:26 UTC
From: James Irving
Topic: 19075 Message: 19089

I've never seen a picture of the setup, so don't know if it was done in series or parallel wiring, or even how physically large the layout was, or the insulating materials used. Just a guess, the copper wiring runs voltage drops, with maybe some leakage currents, started to make a significant impact away from the power source. On ac the flow reversed with every half cycle and the brightnesses averaged out. Just a guess....

73, Jim

--- On Tue, 8/2/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@...>
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
To: ham-antennas@yahoogroups.com
Date: Tuesday, August 2, 2011, 10:40 PM

OMG The link remindes me of Electrical Engineering classes which I came to

hate. I use the formula the integral of e to the x power is a function of u

to the nth power. It reads like this

x n

Se = f (u)

But why did Edisons DC lights at the end appear dim, when on AC they were

all the same brightness.

----- Original Message -----

From: Memwl

To: ham-antennas@yahoogroups.com

Sent: Tuesday, August 02, 2011 5:52 PM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

That is a great Link, cleared up a few things for me too

Ke7sbe

>_____

>From: applewiz2000 <rob.m0rzf@...>

>To: ham-antennas@yahoogroups.com

>Sent: Tuesday, August 2, 2011 11:01 AM

>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

>

>

>

>

>

>Hi Phil,

>

>Respectfully - your reasoning is totally wrong because you do not

understand how electricity transfers energy. Electrons do NOT race up and

down a dipole (or any antenna) when you transmit, or receive for that

matter.

>

>You should read "Understanding Electricity and Circuits: What the Text

Books Don't Tell You" by Ian Sefton. Here is the link:

>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pd
f

>

>I don't know if it's allowed to place a link to that file into Yahoo

groups link section?

>

>73s,

>Rob

>(M0RZF)

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19090. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 07:23:55 UTC
From: Larry Tooley
Topic: 19075 Message: 19090

Adrian, VK4TUX, cleared it up, James. He explained that by using low loss high voltage, power could be transported, then stepped down to 110 VAC for short runs locally. Can't do that with DC. It has to run the whold distance at one voltage.

Again, thank Adrian.
Larry WA9G

----- Original Message -----
From: James Irving
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 03, 2011 2:07 AM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

I've never seen a picture of the setup, so don't know if it was done in series or parallel wiring, or even how physically large the layout was, or the insulating materials used. Just a guess, the copper wiring runs voltage drops, with maybe some leakage currents, started to make a significant impact away from the power source. On ac the flow reversed with every half cycle and the brightnesses averaged out. Just a guess....

73, Jim

--- On Tue, 8/2/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@charter.net>
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
To: ham-antennas@yahoogroups.com
Date: Tuesday, August 2, 2011, 10:40 PM

OMG The link remindes me of Electrical Engineering classes which I came to

hate. I use the formula the integral of e to the x power is a function of u

to the nth power. It reads like this

x n

Se = f (u)

But why did Edisons DC lights at the end appear dim, when on AC they were

all the same brightness.

----- Original Message -----

From: Memwl

To: ham-antennas@yahoogroups.com

Sent: Tuesday, August 02, 2011 5:52 PM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

That is a great Link, cleared up a few things for me too

Ke7sbe

>_____

>From: applewiz2000 <rob.m0rzf@...>

>To: ham-antennas@yahoogroups.com

>Sent: Tuesday, August 2, 2011 11:01 AM

>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

>

>

>

>

>

>Hi Phil,

>

>Respectfully - your reasoning is totally wrong because you do not

understand how electricity transfers energy. Electrons do NOT race up and

down a dipole (or any antenna) when you transmit, or receive for that

matter.

>

>You should read "Understanding Electricity and Circuits: What the Text

Books Don't Tell You" by Ian Sefton. Here is the link:

>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pd
f

>

>I don't know if it's allowed to place a link to that file into Yahoo

groups link section?

>

>73s,

>Rob

>(M0RZF)

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19091. RE: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 09:39:49 UTC
From: jo barden
Topic: 19075 Message: 19091

Edison &Westinghouse AC versus DC argument, ended up with Edison promoting AC for electric chair if my memory serves, no I am not that old just remember weird things

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: wa9guu@...
Date: Wed, 3 Aug 2011 02:23:55 -0500
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Adrian, VK4TUX, cleared it up, James. He explained that by using low loss

high voltage, power could be transported, then stepped down to 110 VAC for

short runs locally. Can't do that with DC. It has to run the whold distance

at one voltage.

Again, thank Adrian.

Larry WA9G

----- Original Message -----

From: James Irving

To: ham-antennas@yahoogroups.com

Sent: Wednesday, August 03, 2011 2:07 AM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

I've never seen a picture of the setup, so don't know if it was done in

series or parallel wiring, or even how physically large the layout was, or

the insulating materials used. Just a guess, the copper wiring runs voltage

drops, with maybe some leakage currents, started to make a significant

impact away from the power source. On ac the flow reversed with every half

cycle and the brightnesses averaged out. Just a guess....

73, Jim

--- On Tue, 8/2/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@...>

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

To: ham-antennas@yahoogroups.com

Date: Tuesday, August 2, 2011, 10:40 PM

OMG The link remindes me of Electrical Engineering classes which I came to

hate. I use the formula the integral of e to the x power is a function of

u

to the nth power. It reads like this

x n

Se = f (u)

But why did Edisons DC lights at the end appear dim, when on AC they were

all the same brightness.

----- Original Message -----

From: Memwl

To: ham-antennas@yahoogroups.com

Sent: Tuesday, August 02, 2011 5:52 PM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

That is a great Link, cleared up a few things for me too

Ke7sbe

>_____

>From: applewiz2000 <rob.m0rzf@...>

>To: ham-antennas@yahoogroups.com

>Sent: Tuesday, August 2, 2011 11:01 AM

>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

>

>

>

>

>

>Hi Phil,

>

>Respectfully - your reasoning is totally wrong because you do not

understand how electricity transfers energy. Electrons do NOT race up and

down a dipole (or any antenna) when you transmit, or receive for that

matter.

>

>You should read "Understanding Electricity and Circuits: What the Text

Books Don't Tell You" by Ian Sefton. Here is the link:

>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pd
f

>

>I don't know if it's allowed to place a link to that file into Yahoo

groups link section?

>

>73s,

>Rob

>(M0RZF)

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19092. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 13:17:41 UTC
From: Larry Banks
Topic: 19075 Message: 19092

This is the reason why Tesla (AC) beat Edison (DC). Too bad all of the companies weren't named the Consolidated Tesla Company...

73 -- Larry -- W1DYJ

----- Original Message -----
From: Larry Tooley
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 03, 2011 3:23 AM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Adrian, VK4TUX, cleared it up, James. He explained that by using low loss high voltage, power could be transported, then stepped down to 110 VAC for short runs locally. Can't do that with DC. It has to run the whold distance at one voltage.

Again, thank Adrian.
Larry WA9G

----- Original Message -----
From: James Irving
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 03, 2011 2:07 AM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

I've never seen a picture of the setup, so don't know if it was done in series or parallel wiring, or even how physically large the layout was, or the insulating materials used. Just a guess, the copper wiring runs voltage drops, with maybe some leakage currents, started to make a significant impact away from the power source. On ac the flow reversed with every half cycle and the brightnesses averaged out. Just a guess....

73, Jim

--- On Tue, 8/2/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@...>
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
To: ham-antennas@yahoogroups.com
Date: Tuesday, August 2, 2011, 10:40 PM

OMG The link remindes me of Electrical Engineering classes which I came to

hate. I use the formula the integral of e to the x power is a function of
u

to the nth power. It reads like this

x n

Se = f (u)

But why did Edisons DC lights at the end appear dim, when on AC they were

all the same brightness.

----- Original Message -----

From: Memwl

To: ham-antennas@yahoogroups.com

Sent: Tuesday, August 02, 2011 5:52 PM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

That is a great Link, cleared up a few things for me too

Ke7sbe

>_____

>From: applewiz2000 <rob.m0rzf@...>

>To: ham-antennas@yahoogroups.com

>Sent: Tuesday, August 2, 2011 11:01 AM

>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

>

>

>

>

>

>Hi Phil,

>

>Respectfully - your reasoning is totally wrong because you do not

understand how electricity transfers energy. Electrons do NOT race up and

down a dipole (or any antenna) when you transmit, or receive for that

matter.

>

>You should read "Understanding Electricity and Circuits: What the Text

Books Don't Tell You" by Ian Sefton. Here is the link:

>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pdf

>

>I don't know if it's allowed to place a link to that file into Yahoo

groups link section?

>

>73s,

>Rob

>(M0RZF)

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19093. Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 14:05:14 UTC
From: g4ldsqrp
Topic: 19075 Message: 19093

great link, nice to go back to basics at times!!! we forget lots after learning so much

--- In ham-antennas@yahoogroups.com, "applewiz2000" <rob.m0rzf@...> wrote:
>
>
>
> Hi Phil,
>
> Respectfully - your reasoning is totally wrong because you do not understand how electricity transfers energy. Electrons do NOT race up and down a dipole (or any antenna) when you transmit, or receive for that matter.
>
> You should read "Understanding Electricity and Circuits: What the Text Books Don't Tell You" by Ian Sefton. Here is the link:
>
http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pdf
>
> I don't know if it's allowed to place a link to that file into Yahoo groups link section?
>
> 73s,
> Rob
> (M0RZF)
>

19094. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 15:15:04 UTC
From: dean
Topic: 19075 Message: 19094

Also with AC you can have your power plant many miles away and long runs. With DC you would have to have a lot of power plants all over. Probably one on every block. I remember that from my electronics teacher way back last century.

Now the power company sometimes drops the power (or used to drop the power) lower than 110. With the advent of many computers I think they stopped that practice.

WY6L

From: Larry Banks
Sent: Wednesday, August 03, 2011 6:17 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

This is the reason why Tesla (AC) beat Edison (DC). Too bad all of the companies weren't named the Consolidated Tesla Company...

73 -- Larry -- W1DYJ

----- Original Message -----
From: Larry Tooley
To: mailto:ham-antennas%40yahoogroups.com
Sent: Wednesday, August 03, 2011 3:23 AM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Adrian, VK4TUX, cleared it up, James. He explained that by using low loss high voltage, power could be transported, then stepped down to 110 VAC for short runs locally. Can't do that with DC. It has to run the whold distance at one voltage.

Again, thank Adrian.
Larry WA9G

----- Original Message -----
From: James Irving
To: mailto:ham-antennas%40yahoogroups.com
Sent: Wednesday, August 03, 2011 2:07 AM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

I've never seen a picture of the setup, so don't know if it was done in series or parallel wiring, or even how physically large the layout was, or the insulating materials used. Just a guess, the copper wiring runs voltage drops, with maybe some leakage currents, started to make a significant impact away from the power source. On ac the flow reversed with every half cycle and the brightnesses averaged out. Just a guess....

73, Jim

--- On Tue, 8/2/11, Larry Tooley <mailto:wa9guu%40charter.net> wrote:

From: Larry Tooley <mailto:wa9guu%40charter.net>
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
To: mailto:ham-antennas%40yahoogroups.com
Date: Tuesday, August 2, 2011, 10:40 PM

OMG The link remindes me of Electrical Engineering classes which I came to

hate. I use the formula the integral of e to the x power is a function of u

to the nth power. It reads like this

x n

Se = f (u)

But why did Edisons DC lights at the end appear dim, when on AC they were

all the same brightness.

----- Original Message -----

From: Memwl

To: mailto:ham-antennas%40yahoogroups.com

Sent: Tuesday, August 02, 2011 5:52 PM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

That is a great Link, cleared up a few things for me too

Ke7sbe

>_____

>From: applewiz2000 <mailto:rob.m0rzf%40talktalk.net>

>To: mailto:ham-antennas%40yahoogroups.com

>Sent: Tuesday, August 2, 2011 11:01 AM

>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

>

>

>

>

>

>Hi Phil,

>

>Respectfully - your reasoning is totally wrong because you do not

understand how electricity transfers energy. Electrons do NOT race up and

down a dipole (or any antenna) when you transmit, or receive for that

matter.

>

>You should read "Understanding Electricity and Circuits: What the Text

Books Don't Tell You" by Ian Sefton. Here is the link:

>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pd
f

>

>I don't know if it's allowed to place a link to that file into Yahoo

groups link section?

>

>73s,

>Rob

>(M0RZF)

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19095. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-03 16:12:05 UTC
From: James Irving
Topic: 19075 Message: 19095

Ok, that makes sense for a large electrical grid... not knowing the circumstances makes for "wags". Don't know much about the early history, but remember Edison as the primary mover for DC and Westinghouse, I think, the promoter of AC in America.

We take all the radios, computers, and other electronics for granted, but parts of the US didn't get electrified until the 30's to 50's time frame. According to Wikipedia, 1.4 billion people in the world still live w/o electricity... they live like our ancestors did for thousands of years. The only light at night is moonlight,stars, and fire.

73, Jim

--- On Wed, 8/3/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@...>
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
To: ham-antennas@yahoogroups.com
Date: Wednesday, August 3, 2011, 2:23 AM

Adrian, VK4TUX, cleared it up, James. He explained that by using low loss

high voltage, power could be transported, then stepped down to 110 VAC for

short runs locally. Can't do that with DC. It has to run the whold distance

at one voltage.

Again, thank Adrian.

Larry WA9G

----- Original Message -----

From: James Irving

To: ham-antennas@yahoogroups.com

Sent: Wednesday, August 03, 2011 2:07 AM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

I've never seen a picture of the setup, so don't know if it was done in

series or parallel wiring, or even how physically large the layout was, or

the insulating materials used. Just a guess, the copper wiring runs voltage

drops, with maybe some leakage currents, started to make a significant impact away from the power source. On ac the flow reversed with every half cycle and the brightnesses averaged out. Just a guess....

73, Jim

--- On Tue, 8/2/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@...>

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

To: ham-antennas@yahoogroups.com

Date: Tuesday, August 2, 2011, 10:40 PM

OMG The link remindes me of Electrical Engineering classes which I came to hate. I use the formula the integral of e to the x power is a function of

u

to the nth power. It reads like this

x n

Se = f (u)

But why did Edisons DC lights at the end appear dim, when on AC they were all the same brightness.

----- Original Message -----

From: Memwl

To: ham-antennas@yahoogroups.com

Sent: Tuesday, August 02, 2011 5:52 PM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

That is a great Link, cleared up a few things for me too

Ke7sbe

>_____

>From: applewiz2000 <rob.m0rzf@...>

>To: ham-antennas@yahoogroups.com

>Sent: Tuesday, August 2, 2011 11:01 AM

>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

>

>

>

>

>

>Hi Phil,

>

>Respectfully - your reasoning is totally wrong because you do not

understand how electricity transfers energy. Electrons do NOT race up and

down a dipole (or any antenna) when you transmit, or receive for that

matter.

>

>You should read "Understanding Electricity and Circuits: What the Text

Books Don't Tell You" by Ian Sefton. Here is the link:

>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pd
f

>

>I don't know if it's allowed to place a link to that file into Yahoo

groups link section?

>

>73s,

>Rob

>(M0RZF)

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19096. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 01:39:16 UTC
From: Larry Tooley
Topic: 19075 Message: 19096

True. We laugh at one of our great grandpa's not hooking up that expensive electricity for $3. He paid much more later.

----- Original Message -----
From: James Irving
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 03, 2011 11:12 AM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Ok, that makes sense for a large electrical grid... not knowing the circumstances makes for "wags". Don't know much about the early history, but remember Edison as the primary mover for DC and Westinghouse, I think, the promoter of AC in America.

We take all the radios, computers, and other electronics for granted, but parts of the US didn't get electrified until the 30's to 50's time frame. According to Wikipedia, 1.4 billion people in the world still live w/o electricity... they live like our ancestors did for thousands of years. The only light at night is moonlight,stars, and fire.

73, Jim

--- On Wed, 8/3/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@...>
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
To: ham-antennas@yahoogroups.com
Date: Wednesday, August 3, 2011, 2:23 AM

Adrian, VK4TUX, cleared it up, James. He explained that by using low loss

high voltage, power could be transported, then stepped down to 110 VAC for

short runs locally. Can't do that with DC. It has to run the whold distance

at one voltage.

Again, thank Adrian.

Larry WA9G

----- Original Message -----

From: James Irving

To: ham-antennas@yahoogroups.com

Sent: Wednesday, August 03, 2011 2:07 AM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

I've never seen a picture of the setup, so don't know if it was done in

series or parallel wiring, or even how physically large the layout was, or

the insulating materials used. Just a guess, the copper wiring runs
voltage

drops, with maybe some leakage currents, started to make a significant

impact away from the power source. On ac the flow reversed with every half

cycle and the brightnesses averaged out. Just a guess....

73, Jim

--- On Tue, 8/2/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@charter.net>

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

To: ham-antennas@yahoogroups.com

Date: Tuesday, August 2, 2011, 10:40 PM

OMG The link remindes me of Electrical Engineering classes which I came to

hate. I use the formula the integral of e to the x power is a function of

u

to the nth power. It reads like this

x n

Se = f (u)

But why did Edisons DC lights at the end appear dim, when on AC they were

all the same brightness.

----- Original Message -----

From: Memwl

To: ham-antennas@yahoogroups.com

Sent: Tuesday, August 02, 2011 5:52 PM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

That is a great Link, cleared up a few things for me too

Ke7sbe

>_____

>From: applewiz2000 <rob.m0rzf@...>

>To: ham-antennas@yahoogroups.com

>Sent: Tuesday, August 2, 2011 11:01 AM

>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

>

>

>

>

>

>Hi Phil,

>

>Respectfully - your reasoning is totally wrong because you do not

understand how electricity transfers energy. Electrons do NOT race up and

down a dipole (or any antenna) when you transmit, or receive for that

matter.

>

>You should read "Understanding Electricity and Circuits: What the Text

Books Don't Tell You" by Ian Sefton. Here is the link:

>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pdf

>

>I don't know if it's allowed to place a link to that file into Yahoo

groups link section?

>

>73s,

>Rob

>(M0RZF)

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19097. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 01:41:45 UTC
From: Larry Tooley
Topic: 19075 Message: 19097

Now that remindes me of why I had a meter plugged into the ac line full time. Just found it a few days ago. Think I'll plug it back in.
----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 03, 2011 10:15 AM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Also with AC you can have your power plant many miles away and long runs. With DC you would have to have a lot of power plants all over. Probably one on every block. I remember that from my electronics teacher way back last century.

Now the power company sometimes drops the power (or used to drop the power) lower than 110. With the advent of many computers I think they stopped that practice.

WY6L

From: Larry Banks
Sent: Wednesday, August 03, 2011 6:17 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

This is the reason why Tesla (AC) beat Edison (DC). Too bad all of the companies weren't named the Consolidated Tesla Company...

73 -- Larry -- W1DYJ

----- Original Message -----
From: Larry Tooley
To: mailto:ham-antennas%40yahoogroups.com
Sent: Wednesday, August 03, 2011 3:23 AM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Adrian, VK4TUX, cleared it up, James. He explained that by using low loss high voltage, power could be transported, then stepped down to 110 VAC for short runs locally. Can't do that with DC. It has to run the whold distance
at one voltage.

Again, thank Adrian.
Larry WA9G

----- Original Message -----
From: James Irving
To: mailto:ham-antennas%40yahoogroups.com
Sent: Wednesday, August 03, 2011 2:07 AM
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

I've never seen a picture of the setup, so don't know if it was done in series or parallel wiring, or even how physically large the layout was, or the insulating materials used. Just a guess, the copper wiring runs voltage
drops, with maybe some leakage currents, started to make a significant impact away from the power source. On ac the flow reversed with every half cycle and the brightnesses averaged out. Just a guess....

73, Jim

--- On Tue, 8/2/11, Larry Tooley <mailto:wa9guu%40charter.net> wrote:

From: Larry Tooley <mailto:wa9guu%40charter.net>
Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
To: mailto:ham-antennas%40yahoogroups.com
Date: Tuesday, August 2, 2011, 10:40 PM

OMG The link remindes me of Electrical Engineering classes which I came to

hate. I use the formula the integral of e to the x power is a function of u

to the nth power. It reads like this

x n

Se = f (u)

But why did Edisons DC lights at the end appear dim, when on AC they were

all the same brightness.

----- Original Message -----

From: Memwl

To: mailto:ham-antennas%40yahoogroups.com

Sent: Tuesday, August 02, 2011 5:52 PM

Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

That is a great Link, cleared up a few things for me too

Ke7sbe

>_____

>From: applewiz2000 <mailto:rob.m0rzf%40talktalk.net>

>To: mailto:ham-antennas%40yahoogroups.com

>Sent: Tuesday, August 2, 2011 11:01 AM

>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for

end-fed antenna?

>

>

>

>

>

>Hi Phil,

>

>Respectfully - your reasoning is totally wrong because you do not

understand how electricity transfers energy. Electrons do NOT race up and

down a dipole (or any antenna) when you transmit, or receive for that

matter.

>

>You should read "Understanding Electricity and Circuits: What the Text

Books Don't Tell You" by Ian Sefton. Here is the link:

>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.pd
f

>

>I don't know if it's allowed to place a link to that file into Yahoo

groups link section?

>

>73s,

>Rob

>(M0RZF)

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19098. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 01:43:29 UTC
From: Larry Tooley
Topic: 19075 Message: 19098

Yes that's a real funny story to me. Edison said DC is SAFE, but AC kills.
And his advertising the "chair" was to prove it.
----- Original Message -----
From: "jo barden" <jobarden422@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, August 03, 2011 4:39 AM
Subject: RE: [ham-antennas] Re: Capacitor rather than counterpoise for
end-fed antenna?

>
> Edison &Westinghouse AC versus DC argument, ended up with Edison promoting
> AC for electric chair if my memory serves, no I am not that old just
> remember weird things
>
>
> Jon
>
>
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: wa9guu@...
> Date: Wed, 3 Aug 2011 02:23:55 -0500
> Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for
> end-fed antenna?
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
> Adrian, VK4TUX, cleared it up, James. He explained that by using low
> loss
>
> high voltage, power could be transported, then stepped down to 110 VAC for
>
> short runs locally. Can't do that with DC. It has to run the whold
> distance
>
> at one voltage.
>
>
>
> Again, thank Adrian.
>
> Larry WA9G
>
>
>
> ----- Original Message -----
>
> From: James Irving
>
> To: ham-antennas@yahoogroups.com
>
> Sent: Wednesday, August 03, 2011 2:07 AM
>
> Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for
>
> end-fed antenna?
>
>
>
> I've never seen a picture of the setup, so don't know if it was done in
>
> series or parallel wiring, or even how physically large the layout was, or
>
> the insulating materials used. Just a guess, the copper wiring runs
> voltage
>
> drops, with maybe some leakage currents, started to make a significant

>
> impact away from the power source. On ac the flow reversed with every
> half
>
> cycle and the brightnesses averaged out. Just a guess....
>
>
>
> 73, Jim
>
>
>
> --- On Tue, 8/2/11, Larry Tooley <wa9guu@...> wrote:
>
>
>
> From: Larry Tooley <wa9guu@...>
>
> Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for
>
> end-fed antenna?
>
> To: ham-antennas@yahoogroups.com
>
> Date: Tuesday, August 2, 2011, 10:40 PM
>
>
>
> OMG The link remindes me of Electrical Engineering classes which I came to
>
>
>
> hate. I use the formula the integral of e to the x power is a function of
>
> u
>
>
>
> to the nth power. It reads like this
>
>
>
> x n
>
>
>
> Se = f (u)
>
>
>

> But why did Edisons DC lights at the end appear dim, when on AC they were
>
>
>
> all the same brightness.
>
>
>
> ----- Original Message -----
>
>
>
> From: Memwl
>
>
>
> To: ham-antennas@yahoogroups.com
>
>
>
> Sent: Tuesday, August 02, 2011 5:52 PM
>
>
>
> Subject: Re: [ham-antennas] Re: Capacitor rather than counterpoise for
>
>
>
> end-fed antenna?
>
>
>
> That is a great Link, cleared up a few things for me too
>
>
>
> Ke7sbe
>
>
>
>>>_____
>
>
>
>>>From: applewiz2000 <rob.m0rzf@...>
>
>
>
>>>To: ham-antennas@yahoogroups.com
>

>
>
>>Sent: Tuesday, August 2, 2011 11:01 AM
>
>
>
>>Subject: [ham-antennas] Re: Capacitor rather than counterpoise for
>
>
>
> end-fed antenna?
>
>
>
>>
>
>
>
>>
>
>
>
>>
>
>
>
>>
>
>
>
>>
>
>
>
>>Hi Phil,
>
>
>
>>
>
>
>
>>Respectfully - your reasoning is totally wrong because you do not
>
>
>
> understand how electricity transfers energy. Electrons do NOT race up and
>
>
>

> down a dipole (or any antenna) when you transmit, or receive for that
>
>
>
> matter.
>
>
>
>>
>
>
>
>>You should read "Understanding Electricity and Circuits: What the Text
>
>
>
> Books Don't Tell You" by Ian Sefton. Here is the link:
>
>
>
>>http://sydney.edu.au/science/uniserve_science/school/curric/stage6/phys/stw2002/sefton.p
df
>
>
>
>>
>
>
>
>>I don't know if it's allowed to place a link to that file into Yahoo
>
>
>
> groups link section?
>
>
>
>>
>
>
>
>>73s,
>
>
>
>>Rob
>
>
>
>>(M0RZF)

>
>
>
>>
>
>
>
>>
>
>
>
>>
>
>
>
>>
>
>
>
>>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19099. plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 07:56:43 UTC
From: jo barden
Topic: 19099 Message: 19099

Hi All

Now I know that we should use self amalgamating tape where possible but has anybody tried platidip? was it suitable? just wondering as I at the moment use hot melt glue and no matter how careful I am a "mucky pup" with blobs and small burns to show for it. I was especially thinking of connections to the back of SO 239 etc in boxes to be mounted outside and weatherproofing connections.

Jon

G6UWK

[Non-text portions of this message have been removed]

19100. Re: [ham-antennas] plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 08:44:39 UTC
From: Larry Tooley
Topic: 19099 Message: 19100

Should be great if it sticks. Squirt a blob on a wire. When it dries try to pull it off. Freeze it and try again. Leave it in the sun at 100 deg, and try it again. Let us know, so we can use it. haha

----- Original Message -----
From: jo barden
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 04, 2011 2:56 AM
Subject: [ham-antennas] plastidip

Hi All

Now I know that we should use self amalgamating tape where possible but has anybody tried platidip? was it suitable? just wondering as I at the moment use hot melt glue and no matter how careful I am a "mucky pup" with blobs and small burns to show for it. I was especially thinking of connections to the back of SO 239 etc in boxes to be mounted outside and weatherproofing connections.

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19101. AW: [ham-antennas] plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 11:06:46 UTC
From: Siegfried Jackstien
Topic: 19099 Message: 19101

That maybe works for some installations
I also use hot melt glue on some things ... what I do after sealing something is (for better look and better sealing) I reheat the surface or the whole blop with a hot air gun or a lighter ... make my finger wet and make the surface of the glue smooth and even like you do it in the bathroom when applying silicone in the edges .... works fine but wit BIG blops you have to pay attention not to bu your finger (making it very wet helps that glue does not stick at finger ... "outch"
On some parts where sealing should be more flexible silicone works better as hot glue ... and maybe on the parts plastidip could be used
Tell us your results
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jo barden
> Gesendet: Donnerstag, 4. August 2011 07:57
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] plastidip
>
>
>
>
> Hi All
>
> Now I know that we should use self amalgamating tape where possible but
> has anybody tried platidip? was it suitable? just wondering as I at the
> moment use hot melt glue and no matter how careful I am a "mucky pup" with
> blobs and small burns to show for it. I was especially thinking of
> connections to the back of SO 239 etc in boxes to be mounted outside and
> weatherproofing connections.
>
> Jon
>
> G6UWK
>
>
> [Non-text portions of this message have been removed]
>
>
>
>

19102. Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 16:12:47 UTC
From: andrew
Topic: 19075 Message: 19102

When TAE first electrified New York he had steam powered generating stations about every 6 blocks , as for the power company lowering the voltage I don't know if they still practice that , however it will not affect computers as they use a DC-DC converter power supply . Switching power supplies will operate from 90 vac to 250vac . 100 volts won't hurt them , it will damage electric motors and until the CFL's came along flourescent lights would not work at 100 volts (from personal experience) . and incandescent lamps would be dimmer than usual , also the old style televisions would not work well at that low voltage . they would have reduced vertical and horizontal scan size and the scan stability would be very critical , again from personal experience , 40 years as a TV repairman . modern televisions and electronics have switching power supplies instead of linear type .

andrew
kd5pnt

[Non-text portions of this message have been removed]

19103. Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 16:27:20 UTC
From: andrew
Topic: 19075 Message: 19103

In New York in the late 1800's and early 1900's most of the wiring was underground , just like it is today . The insulation was so bad then that it would not cantain the voltage and you would see horses in certain areas if they were standing still appear to be dancing . they were trying to keep their feet off the street and avoid the electric shock . it is in one of my old reference books that I no longer have , had to leave them behind when I moved . that hurt too . they were useless to the company I worked for (RCA) , the books went back to 1921, but the owner would not sell them and they are probably in a landfill by now .

andrew
kd5pnt

[Non-text portions of this message have been removed]

19104. Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 15:35:17 UTC
From: fred
Topic: 19099 Message: 19104

Plastidip is intended to insulate the handles of the tools that an electrician used , until the late 70's is was unusal to find hand tools , pliers , wrenches and like that had insulated grips . have never used it but would expect that it makes a semi hard shell like coating that would have to be cut off to remove , if you can find it Liquid Tape would probably be better to use . hot melt glue will work and I think will stand up to the cold but on a hot day like the ones we have been having in texas lately it will soften and run .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Hi All
>
> Now I know that we should use self amalgamating tape where possible but has anybody tried platidip? was it suitable? just wondering as I at the moment use hot melt glue and no matter how careful I am a "mucky pup" with blobs and small burns to show for it. I was especially thinking of connections to the back of SO 239 etc in boxes to be mounted outside and weatherproofing connections.
>
> Jon
>
> G6UWK
>
>
> [Non-text portions of this message have been removed]
>

19105. Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 15:40:10 UTC
From: fred
Topic: 19099 Message: 19105

http://www.plastidip.com/industrial_solutions/Liquid_Tape_-_Electrical_Insulation

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Hi All
>
> Now I know that we should use self amalgamating tape where possible but has anybody tried platidip? was it suitable? just wondering as I at the moment use hot melt glue and no matter how careful I am a "mucky pup" with blobs and small burns to show for it. I was especially thinking of connections to the back of SO 239 etc in boxes to be mounted outside and weatherproofing connections.
>
> Jon
>
> G6UWK
>
>
> [Non-text portions of this message have been removed]
>

19106. AW: [ham-antennas] Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 16:10:06 UTC
From: Siegfried Jackstien
Topic: 19099 Message: 19106

Huh it also comes in a spray can ... should be well to protect connectors
outside
Just bookmarked it :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von fred
> Gesendet: Donnerstag, 4. August 2011 15:40
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: plastidip
>
>
>
>
> http://www.plastidip.com/industrial_solutions/Liquid_Tape_-
> _Electrical_Insulation
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , jo barden <jobarden422@...> wrote:
> >
> >
> > Hi All
> >
> > Now I know that we should use self amalgamating tape where possible but
> has anybody tried platidip? was it suitable? just wondering as I at the
> moment use hot melt glue and no matter how careful I am a "mucky pup" with
> blobs and small burns to show for it. I was especially thinking of
> connections to the back of SO 239 etc in boxes to be mounted outside and
> weatherproofing connections.
> >
> > Jon
> >
> > G6UWK
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>

19107. Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 16:34:37 UTC
From: fun2fix
Topic: 19099 Message: 19107

After seeing this thread I started to look into the Plastidip products.
It appears that they have "Liquid Tape". This might be something that
you are looking for. Haven't tried it but they claim it has good
electrical and environmental insulating properties. I might
consider using it on my R7 after I finish rebuilding it. Needs
further investigating...

I used "Plastidip" back in the early 90's and it seemed pretty
good for tool handles. Did not get tacky (from dirt) and it
cleaned pretty well.

Here's the link:

http://www.plastidip.com/industrial_solutions/Liquid_Tape_-_Electrical_Insulation

John
N1ERF

> Now I know that we should use self amalgamating tape where possible but has anybody tried platidip?

19108. Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 16:35:44 UTC
From: James
Topic: 19099 Message: 19108

I use Amazing Goop Automotive contact adhesive and sealant on all open wire and ring terminal coax connections. It seals it and keeps water out of the coax.

You can get it at Walmart.

73,

James

[Non-text portions of this message have been removed]

19109. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 16:56:17 UTC
From: Frank Kirschner
Topic: 19075 Message: 19109

Brown-outs were common in Greece when I lived there from 1981 to 1983. (I was SV0CE.) One day, my wife called to me, "The TV is a green box." I thought to myself, "What on earth is she talking about?" When I took a look, I saw that the normally-color picture on the TV was a green rectangle about a quarter of the size of the screen. I grabbed my voltmeter and checked the line voltage. There was only 85 volts on the 240 volt line. I quickly unplugged the refrigerator to save the motor.

73,
Frank
KF6E

On Thu, Aug 4, 2011 at 12:12 PM, andrew <radiomanl@...> wrote:

> **
>
>
> , also the old style televisions would not work well at that low voltage .
> they would have reduced vertical and horizontal scan size and the scan
> stability would be very critical , again from personal experience , 40 years
> as a TV repairman . modern televisions and electronics have switching power
> supplies instead of linear type .
>
> andrew
> kd5pnt
>
>
>

[Non-text portions of this message have been removed]

19110. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 19:31:07 UTC
From: dean
Topic: 19075 Message: 19110

The 70’s and 80’s were not modern except back then. No switching power supplies in Apple II plus’s in 1984.

WY6L

From: andrew
Sent: Thursday, August 04, 2011 9:12 AM
To: ham-antennas@...m
Subject: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

When TAE first electrified New York he had steam powered generating stations about every 6 blocks , as for the power company lowering the voltage I don't know if they still practice that , however it will not affect computers as they use a DC-DC converter power supply . Switching power supplies will operate from 90 vac to 250vac . 100 volts won't hurt them , it will damage electric motors and until the CFL's came along flourescent lights would not work at 100 volts (from personal experience) . and incandescent lamps would be dimmer than usual , also the old style televisions would not work well at that low voltage . they would have reduced vertical and horizontal scan size and the scan stability would be very critical , again from personal experience , 40 years as a TV repairman . modern televisions and electronics have switching power supplies instead of linear type .

andrew
kd5pnt

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19111. Re: AW: [ham-antennas] plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-04 19:37:03 UTC
From: dean
Topic: 19099 Message: 19111

I put my Deer whistles on the front of my Saturn Vue with hot melt glue. It took about 8 years for one of the two to fall off. Our temp goes from freezing in the winter time to over 120 degrees in the summer time.

Deer whistles are supposed to stop the Deer from running across the road into your car. So far so good.

WY6L

From: Siegfried Jackstien
Sent: Thursday, August 04, 2011 4:06 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] plastidip

That maybe works for some installations
I also use hot melt glue on some things ... what I do after sealing
something is (for better look and better sealing) I reheat the surface or
the whole blop with a hot air gun or a lighter ... make my finger wet and
make the surface of the glue smooth and even like you do it in the bathroom
when applying silicone in the edges .... works fine but wit BIG blops you
have to pay attention not to bu your finger (making it very wet helps that
glue does not stick at finger ... "outch"
On some parts where sealing should be more flexible silicone works better as
hot glue ... and maybe on the parts plastidip could be used
Tell us your results
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von jo barden
> Gesendet: Donnerstag, 4. August 2011 07:57
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: [ham-antennas] plastidip
>
>
>
>
> Hi All
>
> Now I know that we should use self amalgamating tape where possible but
> has anybody tried platidip? was it suitable? just wondering as I at the
> moment use hot melt glue and no matter how careful I am a "mucky pup" with
> blobs and small burns to show for it. I was especially thinking of

> connections to the back of SO 239 etc in boxes to be mounted outside and
> weatherproofing connections.
>
> Jon
>
> G6UWK
>
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19112. Re: [ham-antennas] Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-05 00:36:45 UTC
From: Larry Tooley
Topic: 19099 Message: 19112

Just reminded me, I've got it in the outbuilding. It is exactly like you described, Fred. You have a good point about having to cut it off. What if we need to go back in our PL-259? Cut it off and throw it away? I'm too cheap. hahahaha

----- Original Message -----
From: fred
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 04, 2011 10:35 AM
Subject: [ham-antennas] Re: plastidip

Plastidip is intended to insulate the handles of the tools that an electrician used , until the late 70's is was unusal to find hand tools , pliers , wrenches and like that had insulated grips . have never used it but would expect that it makes a semi hard shell like coating that would have to be cut off to remove , if you can find it Liquid Tape would probably be better to use . hot melt glue will work and I think will stand up to the cold but on a hot day like the ones we have been having in texas lately it will soften and run .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Hi All
>
> Now I know that we should use self amalgamating tape where possible but has anybody tried platidip? was it suitable? just wondering as I at the moment use hot melt glue and no matter how careful I am a "mucky pup" with blobs and small burns to show for it. I was especially thinking of connections to the back of SO 239 etc in boxes to be mounted outside and weatherproofing connections.
>
> Jon
>
> G6UWK
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19113. DX Engineering 43' Vertical Saf-T-Tilt

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-05 02:10:39 UTC
From: jayzap57
Topic: 19113 Message: 19113

Hi,

I am going to give the 43' vertical a try with a Icom AH-4 at the base.
I looking at the DX Engineering older style DXE-MBVE-1 or the new DXE-MBVE-5 with the Saf-T-Tilt base.
Has anyone tried the new style, looks like a lot of reviews on the original.
Looking for any opinions or info.

Thanks
Jay N1FDX

19114. AW: [ham-antennas] Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-05 08:54:13 UTC
From: Siegfried Jackstien
Topic: 19099 Message: 19114

For protection of connectors: first a layer of tape and after that a god layer of plastidip
You can sure cut the plastidip later and peel it off if you have a protection layer (tape) between connector and that plastidip coating
But all that is maybe better done with the liquid tape ... should be easier to peel off later ... any testers yet?!?!?

Dg9bfc
Sigi
Ps maybe that is the reason why company makes both ... plastidip for tool and liquid tape for connectors

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Larry Tooley
> Gesendet: Freitag, 5. August 2011 00:37
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: plastidip
>
>
>
> Just reminded me, I've got it in the outbuilding. It is exactly like you
> described, Fred. You have a good point about having to cut it off. What if
> we need to go back in our PL-259? Cut it off and throw it away? I'm too
> cheap. hahahaha
>
> ----- Original Message -----
> From: fred
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, August 04, 2011 10:35 AM
> Subject: [ham-antennas] Re: plastidip
>
> Plastidip is intended to insulate the handles of the tools that an
> electrician used , until the late 70's is was unusal to find hand tools ,
> pliers , wrenches and like that had insulated grips . have never used it
> but
> would expect that it makes a semi hard shell like coating that would have
> to
> be cut off to remove , if you can find it Liquid Tape would probably be
> better to use . hot melt glue will work and I think will stand up to the
> cold but on a hot day like the ones we have been having in texas lately it
> will soften and run .
> andrew
> kd5pnt
>

> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , jo barden <jobarden422@...> wrote:
> >
> >
> > Hi All
> >
> > Now I know that we should use self amalgamating tape where possible but
> has anybody tried platidip? was it suitable? just wondering as I at the
> moment use hot melt glue and no matter how careful I am a "mucky pup" with
> blobs and small burns to show for it. I was especially thinking of
> connections to the back of SO 239 etc in boxes to be mounted outside and
> weatherproofing connections.
> >
> > Jon
> >
> > G6UWK
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19115. Inductance/Capacitance meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-05 14:52:22 UTC
From: jo barden
Topic: 19115 Message: 19115

Hi All
just thought I would recommend a meter kit I bought, no I am not relative etc. it is PIC based and was £19.90 including delivery, it was from http://s9plus.com/ and marked as CLARA you have to supply wires and box but switches,display and everything else is there, I cocked it up so mailed the person and he gave advise, I sent it back and 2 days later it is in my grubby hands, needless to say my fault but hey good service so I cannot complain.He has a downloadable manual so you can see what is involved before getting which is nice, it is based on the AADE version. I have checked capacitance against my Sparkfun meter and Clara reads 27pf and Sparkfun 30pf, inductance I only have miniature inductors and 150uH showed as 160uH so within tolerance.
Anyway I am a happy bunny, now off to do some filling of box to fit it in.
Jon
G6UWK

[Non-text portions of this message have been removed]

19116. Re: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-05 17:14:02 UTC
From: James Irving
Topic: 19075 Message: 19116

Speaking of old technical books.....

If you have any and want to donate them to the "cause", contact Peter Millet at

info@...

and see if he thinks they could be put on line. His "work" can be found here...

http://www.tubebooks.org/

Using the search word "Antenna" in the technical section will show a couple of very early antenna books available for download.

73, Jim

--- On Thu, 8/4/11, andrew <radiomanl@...> wrote:

From: andrew <radiomanl@...>
Subject: [ham-antennas] Re: Capacitor rather than counterpoise for end-fed antenna?
To: ham-antennas@yahoogroups.com
Date: Thursday, August 4, 2011, 11:27 AM

In New York in the late 1800's and early 1900's most of the wiring was underground , just like it is today . The insulation was so bad then that it would not cantain the voltage and you would see horses in certain areas if they were standing still appear to be dancing . they were trying to keep their feet off the street and avoid the electric shock . it is in one of my old reference books that I no longer have , had to leave them behind when I moved . that hurt too . they were useless to the company I worked for (RCA) , the books went back to 1921, but the owner would not sell them and they are probably in a landfill by now .

andrew

kd5pnt

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19117. Re: [ham-antennas] Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-05 17:16:59 UTC
From: James Irving
Topic: 19099 Message: 19117

Hi James...

Is it easy to take off if the connection needs to be redone?

73, jim, k9jfk
--- On Thu, 8/4/11, James <kc9ktv@...> wrote:

From: James <kc9ktv@...>
Subject: [ham-antennas] Re: plastidip
To: ham-antennas@yahoogroups.com
Date: Thursday, August 4, 2011, 11:35 AM

I use Amazing Goop Automotive contact adhesive and sealant on all open wire

and ring terminal coax connections. It seals it and keeps water out of the

coax.

You can get it at Walmart.

73,

James

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19118. Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-06 15:01:09 UTC
From: James
Topic: 19099 Message: 19118

Amazing Goop Automotive contact adhesive and sealant is for when you strip the ends of a piece of coax and put ring terminals on it, it keeps the water from getting in the coax and it is very hard to remove.

For PL259 and N connectors I use Mocap tape which is self bonding silicone tape and when you need to disassemble the connection you just cut the tape and it comes right off, and the connector looks like you just put it on.

Hope this answers the question, if you need more info just ask.

Have a great day everyone.

73,

James

[Non-text portions of this message have been removed]

19119. Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-06 19:06:13 UTC
From: hitekgearhead
Topic: 19099 Message: 19119

Plastidip is really great stuff. I have used it on several things around the house. Two really neat things I have used it on are the bottoms of NATO metal jerry (gas) cans and the plastic grips on one of the pistols I own. It keeps the bottoms of the metal cans from getting scraped up and rusty, and it made the plastic grips on the pistol quite a bit more "grippy"

It is very versatile and useful substance. One of the neat things about it is that it can be thinned. So if you don't want a thick globular coat of rubber on something, you can thin the pastidip, pour it on to give an even coat and bob's your uncle. Their spray cans are pretty neat too, but I have found that they apply a very thin coat and to build up any thickness you need to apply several coats. Therefore the can doesn't go very far.

I could see wrapping a connector in some kind of tape and then spraying it with plastidip. I think it would be about as waterproof as you could get. When it comes time to remove it, just give it a slice with a razor knife.

-Albert

19120. Re: [ham-antennas] Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-07 04:55:30 UTC
From: James Irving
Topic: 19099 Message: 19120

Hi Albert....

Had to look that one up... "bob's your uncle"! Translation for Yanks here....

http://en.wikipedia.org/wiki/Bob%27s_your_uncle

Ain't the internet won'rful?

73, Jim, K9JFK

--- On Sat, 8/6/11, hitekgearhead <hitekgearhead@...> wrote:

From: hitekgearhead <hitekgearhead@...>
Subject: [ham-antennas] Re: plastidip
To: ham-antennas@yahoogroups.com
Date: Saturday, August 6, 2011, 2:06 PM

Plastidip is really great stuff. I have used it on several things around the house. Two really neat things I have used it on are the bottoms of NATO metal jerry (gas) cans and the plastic grips on one of the pistols I own. It keeps the bottoms of the metal cans from getting scraped up and rusty, and it made the plastic grips on the pistol quite a bit more "grippy"

It is very versatile and useful substance. One of the neat things about it is that it can be thinned. So if you don't want a thick globular coat of rubber on something, you can thin the pastidip, pour it on to give an even coat and bob's your uncle. Their spray cans are pretty neat too, but I have found that they apply a very thin coat and to build up any thickness you need to apply several coats. Therefore the can doesn't go very far.

I could see wrapping a connector in some kind of tape and then spraying it with plastidip. I think it would be about as waterproof as you could get. When it comes time to remove it, just give it a slice with a razor knife.

-Albert

[Non-text portions of this message have been removed]

19121. Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-07 11:13:33 UTC
From: phil_ad5x
Topic: 19099 Message: 19121

I've been using PlastiDip and Liquid Electrical Tape for over 10 years now on outdoor coax connections. Liquid Electrical Tape is easier to apply. Anyway, works great - even through our hot Texas summers. And it is easy to peel off when you want to get back to the connector. I use a hobby knife and slice across the coating, then just peel it off.

Phil - AD5X

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Hi All
>
> Now I know that we should use self amalgamating tape where possible but has anybody tried platidip? was it suitable? just wondering as I at the moment use hot melt glue and no matter how careful I am a "mucky pup" with blobs and small burns to show for it. I was especially thinking of connections to the back of SO 239 etc in boxes to be mounted outside and weatherproofing connections.
>
> Jon
>
> G6UWK
>
>
> [Non-text portions of this message have been removed]
>

19122. Hygain Rotator.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-07 21:25:36 UTC
From: Mick
Topic: 19122 Message: 19122

Hi Group,I have a Hygain HDR300AX which is not reading direction correctly.

When it reads 0 degrees the antenna is pointing north, as the antenna
is rotated the display reads correctly until 140 degrees and then jumps
to 574 degrees and from that point on the display does not change
although the antenna continues to turn ok.

My thoughts are that the 3 turn pot has gone faulty somehow,
although the voltage readings are correct as given in the handbook
for 0,180 and 360 degrees so i wonder if anyone has had any problems
with the controller or any similar symptoms with these rotators?

I would be grateful for any info,Thank you,Mick,MI0GRG.

19123. Re: plastidip

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-08 03:24:18 UTC
From: hitekgearhead
Topic: 19099 Message: 19123

You know what is even more funny.... I am a yank.... Born and lived most of my life in FL.

For some reason I picked up the phrase after watching Anthony Hopkins in "The Worlds Fastest Indian". Where he plays a man from New Zealand named Burt Monroe.

For some reason the phrase just seems to be just the right thing sometimes...

..... we now return you to your previously scheduled plasti-dip programming.....

-Albert

--- In ham-antennas@yahoogroups.com, James Irving <k9jfk@...> wrote:
>
> Hi Albert....
>
> Had to look that one up... "bob's your uncle"!Â Â Translation for Yanks here....
>
> http://en.wikipedia.org/wiki/Bob%27s_your_uncle
>
> Ain't the internet won'rful?
>
> 73, Jim, K9JFK
>

19124. Counterpoise question for long wire antenna - Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-08 03:50:55 UTC
From: Will
Topic: 19124 Message: 19124

Quick Question regarding long wire antennas and counterpoise/grounds:

I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.

What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?

Thanks for any input:

Will ☐ N7IPY

19125. Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-08 10:14:49 UTC
From: ninevictor
Topic: 19125 Message: 19125

Hi Will,
Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.

I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.

To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :

[1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,

[2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.

In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.

To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.

About the terminology:
By antenna coupler, I mean what most folks call an antenna tuner.
These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)

Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.

I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.

If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.

To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.

I look forward to hearing what sort of setup you settle on.
73, Don WN9V

"Will" <engineer1@...> wrote:
>
>
> I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
>
> What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
>
> Thanks for any input:
>
> Will ☐ N7IPY
>

19126. Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-08 21:06:52 UTC
From: Will
Topic: 19125 Message: 19126

Don,

Thanks for taking so much time to reply to my question. Lots of good information.

In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.

In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.

I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.

The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.

Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.

I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.

More to follow in a few days and thanks to everyone for the suggestions.

--- In ham-antennas@yahoogroups.com, "ninevictor" <WN9V@...> wrote:
>
>
>
> Hi Will,
> Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
>
> I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
>

> To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
>
> [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
>
> [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
>
> In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
>
> To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
>
> About the terminology:
> By antenna coupler, I mean what most folks call an antenna tuner.
> These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
>
> Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
>
> I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
>
> If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
>
> To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from

having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
>
> I look forward to hearing what sort of setup you settle on.
> 73, Don WN9V
>
>
> "Will" <engineer1@> wrote:
> >
> >
> > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
> >
> > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
> >
> > Thanks for any input:
> >
> > Will ☐ N7IPY
> >
>

19127. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 01:50:19 UTC
From: Larry Tooley
Topic: 19125 Message: 19127

Ah the good ole days. With my old Johnson Challenger, the antenna coupler, or matchbox was built in as the tune and load controls. I could throw any wire out and load it. It may only load half power, but I was on the air. How do we get a single wire allband high gain antenna? Surely we don't have to wait until Heaven.

Larry WA9G
----- Original Message -----
From: Will
To: ham-antennas@yahoogroups.com
Sent: Monday, August 08, 2011 4:06 PM
Subject: [ham-antennas] Re: Random wire and counterpoise

Don,

Thanks for taking so much time to reply to my question. Lots of good information.

In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.

In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.

I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.

The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.

Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.

I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.

More to follow in a few days and thanks to everyone for the suggestions.

--- In ham-antennas@yahoogroups.com, "ninevictor" <WN9V@...> wrote:
>
>
>
> Hi Will,
> Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
>
> I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
>
> To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
>
> [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
>
> [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
>
> In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
>
> To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
>
> About the terminology:

> By antenna coupler, I mean what most folks call an antenna tuner.
> These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
>
> Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
>
> I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
>
> If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
>
> To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
>
> I look forward to hearing what sort of setup you settle on.
> 73, Don WN9V
>
>
> "Will" <engineer1@> wrote:
> >
> >

> > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
> >
> > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
> >
> > Thanks for any input:
> >
> > Will - N7IPY
> >
>

[Non-text portions of this message have been removed]

19128. help needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 13:23:02 UTC
From: George Kracke
Topic: 19128 Message: 19128

I have a, what appears to be a 440 mhz range "X" beam. It is a flat "X" 12 elements on a 1/2 x 1" boom 2 pcs. elements are 1/4" alum rod attached to the boom via an insulator. The DE is a rectangle with shorting bars and a coax connection. This part is in pc's. Does any one have an idea toward the maker or some info to share to identify this beam? I will be glad to send photos to anyone to help identify.
Thanks 73's
George w2agr

[Non-text portions of this message have been removed]

19129. AW: [ham-antennas] help needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 14:21:33 UTC
From: Siegfried Jackstien
Topic: 19128 Message: 19129

Look here:
http://www.dk3wn.info/antennen.shtml
is is one of these antennas (look at the pics)
rectangle with bars and coax ... that looks like the one that I have seen on
he roof of mike (dk3wn)
maybe it is the right one
greetz
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von George Kracke
> Gesendet: Dienstag, 9. August 2011 13:23
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] help needed
>
>
>
> I have a, what appears to be a 440 mhz range "X" beam. It is a flat "X" 12
> elements on a 1/2 x 1" boom 2 pcs. elements are 1/4" alum rod attached to
> the boom via an insulator. The DE is a rectangle with shorting bars and a
> coax connection. This part is in pc's. Does any one have an idea toward
> the maker or some info to share to identify this beam? I will be glad to
> send photos to anyone to help identify.
> Thanks 73's
> George w2agr
>
> [Non-text portions of this message have been removed]
>
>
>
>

19130. Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 14:28:01 UTC
From: daverickmers
Topic: 19125 Message: 19130

Have you considered a wire loop? They generally work better than end-fed wires at low elevations. They are wideband and easily matched across their useful bandwidth.

Dave Rickmers/kd6il
--- In ham-antennas@yahoogroups.com, "Will" <engineer1@...> wrote:
>
> Don,
>
> Thanks for taking so much time to reply to my question. Lots of good information.
>
> In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
>
> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>
> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>
> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>
> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>
> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>
> More to follow in a few days and thanks to everyone for the suggestions.
>
> --- In ham-antennas@yahoogroups.com, "ninevictor" <WN9V@> wrote:
> >
> >
> >
> > Hi Will,
> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.

> >
> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
> >
> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
> >
> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
> >
> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
> >
> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
> >
> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
> >
> > About the terminology:
> > By antenna coupler, I mean what most folks call an antenna tuner.
> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
> >
> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
> >
> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
> >
> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described,

is radiating RF fairly close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
> >
> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
> >
> > I look forward to hearing what sort of setup you settle on.
> > 73, Don WN9V
> >
> >
> > "Will" <engineer1@> wrote:
> > >
> > >
> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
> > >
> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
> > >
> > > Thanks for any input:
> > >
> > > Will ☐ N7IPY
> > >
> > >
> >
>

19131. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 14:38:38 UTC
From: dean
Topic: 19125 Message: 19131

I have a friend who has an 80 M loop. He has two 1” long copper pipes attached to each end of the loop. In this case bottom right corner. He has a pair of battery cables attached to his coax and each frequency marked on the pipes. He just comes out of the shack and attach’s it to the frequency he wants to talk on then turns on his Henry amp and talks. No need for a tuner except for the initial tunning.

WY6L

From: daverickmers
Sent: Tuesday, August 09, 2011 7:28 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Random wire and counterpoise

Have you considered a wire loop? They generally work better than end-fed wires at low elevations. They are wideband and easily matched across their useful bandwidth.

Dave Rickmers/kd6il
--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>
> Don,
>
> Thanks for taking so much time to reply to my question. Lots of good information.
>
> In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
>
> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>
> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>
> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>
> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>

> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>
> More to follow in a few days and thanks to everyone for the suggestions.
>
> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
> >
> >
> >
> > Hi Will,
> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
> >
> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
> >
> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
> >
> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
> >
> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
> >
> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
> >
> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
> >
> > About the terminology:
> > By antenna coupler, I mean what most folks call an antenna tuner.
> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
> >
> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
> >
> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some

ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
> >
> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
> >
> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
> >
> > I look forward to hearing what sort of setup you settle on.
> > 73, Don WN9V
> >
> >
> > "Will" <engineer1@> wrote:
> > >
> > >
> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
> > >
> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
> > >
> > > Thanks for any input:
> > >
> > > Will ☐ N7IPY
> > >
> >
>

[Non-text portions of this message have been removed]

19132. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 16:24:31 UTC
From: Robert Garland
Topic: 19125 Message: 19132

Did you mean 1 FOOT instead of one INCH? Battery Cables are about 1 inch across on the clamps, so how would the adjustment be made?

> I have a friend who has an 80 M loop. He has two 1” long copper pipes attached to
> each end of the loop. In this case bottom right corner. He has a pair of battery
> cables attached to his coax and each frequency marked on the pipes. He just comes out
> of the shack and attach’s it to the frequency he wants to talk on then turns on his
> Henry amp and talks. No need for a tuner except for the initial tunning.
>
> WY6L
>
> From: daverickmers
> Sent: Tuesday, August 09, 2011 7:28 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Random wire and counterpoise
>
>
> Have you considered a wire loop? They generally work better than end-fed wires at low
> elevations. They are wideband and easily matched across their useful bandwidth.
>
> Dave Rickmers/kd6il
> --- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>>
>> Don,
>>
>> Thanks for taking so much time to reply to my question. Lots of good information.
>>
>> In reality I am working on 2 'Random' length antenna projects; one for portable use
>> and another for perminent use at home.
>>
>> In reasurching Random length antennas, I read that it was best to use a non resonant
>> length of wire, and found a chart that suggested a number of lengths that are
>> non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>>
>> I use a number LDG auto tuners on all my antenna projects needing a tuner so was
>> thinking of using a small 4:1 balan between the tuner and the wire antenna and then
>> the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or
>> RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be
>> visiting with my parents soon and they live in the foothills and was going to bring my
>> FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the
>> wire ideas fail in the field) Out where they live the RF noise level is much lower
>> than at home in the burbs'.
>>
>> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I

>> need to keep wires and structures out of sight from the street view. The back yard is
>> large for this area but is to small for long random length antennas. The metal gutters
>> messed up my ideas of wrapping a random length wire antenna around the house. This is
>> the price I paied for a short commute to and from work I guess.
>>
>> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L
>> configuration and attaching a few tuned radials to test with. I will then see if the
>> LDG100Pro can tune it or not.
>>
>> I am also slowly building a MagLoop that should work between 30M - 15M but have not
>> had time to finish it as I have been working on a few after hour paying design
>> projects, currently working on the Vac Variable Cap support structure.
>>
>> More to follow in a few days and thanks to everyone for the suggestions.
>>
>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>> >
>> >
>> >
>> > Hi Will,
>> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so
>> long that it is multiple wavelengths and the signal radiating from some parts of the
>> wire reinforce that from other parts of the wire, accomplishing gain.
>> >
>> > I am assuming you are going to do without feedline and just hook the antenna to your
>> antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for
>> multiband use, unless you add an antenna coupler between the transceiver and the
>> antenna, your random wire antenna might cover only 2 bands if you are lucky.
>> >
>> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can
>> be :
>> >
>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the
>> transceiver. A single band doublet or a fan type multiband dipole will work or a
>> trap type multiband dipole will work OR,
>> >
>> > [2] you can put an antenna coupler between the transceiver and the feedline. The
>> antenna coupler,, when adjusted right and when operating within its design
>> parameters will transform what it sees on its antenna side to make it look like 50
>> Ohms on the transceiver side.
>> >
>> > In case number [2] above, the feedline between the coupler and the random wire
>> antenna will have significant losses on bands where the antenna itself does not
>> match the impedance of the feedline. This is true unless the feedline is either very
>> short or it is a type that has really low losses even when mismatched. Examples of
>> low loss feedlines are open wire feeders or the large windowed twin lead.
>> >
>> > To get back to your question, If you start with the counterpoise of equal length to
>> the wire you have already cut, and put it at equal altitude, it would make a doublet

>> that is resonant near 7 MHz and it will be easy for your coupler to match. You would
>> want to shorten both wires a little if you intend to use it on 40 meters without
>> adding an antenna coupler. If the counterpoise is in the grass, you will have to
>> shorten the counterpoise even further to make it resonant at the same frequency as
>> your elevated antenna hot wire.
>> >
>> > About the terminology:
>> > By antenna coupler, I mean what most folks call an antenna tuner.
>> > These come in various flavors and some are specialized for use with the low loss
>> balanced line (called open wire feeders, ladder line, or twin lead)
>> >
>> > Here is what a fairly versatile fixed station setup would be for multiband
>> operation: Your transceiver, then a short coax cable to a link coupled balanced
>> antenna coupler, then balanced feedline to the center of a 133 foot long doublet.
>> The coupler could be any of the Z-match type antenna couplers that are available as
>> kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some
>> length off of your balanced feeder if there is a favorite band that is difficult for
>> your antenna coupler to match. And no counterpoise is necessary.
>> >
>> > I would encourage you to consider building your antenna coupler from parts or a kit.
>> Further, if you purchase some ceramic insulators and some flexible wire, (even #18
>> speaker wire will do for a temporary experiment), add some windowed twin lead, and
>> you can build an antenna system that will deliver more performance per dollar than a
>> purchased wire antenna.
>> >
>> > If you want to keep the portable station antenna system simple, the elevated random
>> wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you
>> build a L type antenna coupler and simply hook your antenna wire directly to the
>> coupler (and the counterpoise directly to the coupler chassis) you should be able to
>> adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The
>> L network is simple, has no ambiguous multiple settings that might be correct, and
>> handles an extreme range of impedances. The tuning of the L network will be sharp.
>> If you have no luck accomplishing a match, reverse the network so it is transforming
>> in the opposite direction as before. High to low versus low to high impedance. Or,
>> if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the
>> coupler out of the circuit. An antenna system without a feedline, such as the one
>> just described, is radiating RF fairly close to the transceiver and sometimes is
>> troubled with RF in the shack. For an at-home antenna system, you can avoid the RF
>> in the shack by having a system with a feedline that locates the radiating portions
>> of the antenna away from the station.
>> >
>> > To answer your question regarding multiple counterpoises, one per band is effective
>> in keeping the station from having RF on the mic, key, and radio chassis. be sure to
>> insulate the far end of the quarter wave counterpoises. Expect the counterpoises to
>> carry RF current and to radiate. Take that into account when locating them.
>> >
>> > I look forward to hearing what sort of setup you settle on.
>> > 73, Don WN9V
>> >

>> >
>> > "Will" <engineer1@> wrote:
>> > >
>> > >
>> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire
>> antenna for portable use with my FT-817.
>> > >
>> > > What length should I use for the counterpoise that will lie on the ground? Should
>> it be the same length of should I cut one that is resonant at each band I am going
>> to operate on?
>> > >
>> > > Thanks for any input:
>> > >
>> > > Will ☐ N7IPY
>> > >
>> >
>>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
> members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
> suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

Robert Garland, NX3S

19133. Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 16:37:14 UTC
From: Will
Topic: 19125 Message: 19133

Yesterday after work I strung up the 84 foot non-resonant wire in a sort-of inverted L (more inverted U) configuration. Space is limited and the wire must stay close to the house as I don't want to advertise my antenna.

It is end fed, goes up about 10 feet on a small shed then over to the top of a mast that has an anemometer on it, over to a peek on the 2nd floor roof then back down to a short mast at the back corner of the roof at about 12 feet. I put out 1 radial for 40 meters and 1 for 80 meters and went inside to try it.

Using the LDG100Pro it tuned 80, 40, 30, 20 just fine, 1:1 on the LED meter of the LDG. I was able to make WINMOR connections on 80, 40, 30 meters with stations up to 600 miles away, but it is very noisy on 80meters. Next I will add more radials and work on reducing the common mode noise.

Will - N7IPY

--- In ham-antennas@yahoogroups.com, "Will" <engineer1@...> wrote:
>
> Don,
>
> Thanks for taking so much time to reply to my question. Lots of good information.
>
> In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
>
> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>
> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>
> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>
> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>
> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have

been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>
> More to follow in a few days and thanks to everyone for the suggestions.
>
> --- In ham-antennas@yahoogroups.com, "ninevictor" <WN9V@> wrote:
> >
> >
> >
> > Hi Will,
> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
> >
> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
> >
> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
> >
> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
> >
> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
> >
> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
> >
> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
> >
> > About the terminology:
> > By antenna coupler, I mean what most folks call an antenna tuner.
> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
> >
> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
> >
> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a

purchased wire antenna.
> >
> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
> >
> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
> >
> > I look forward to hearing what sort of setup you settle on.
> > 73, Don WN9V
> >
> >
> > "Will" <engineer1@> wrote:
> > >
> > >
> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
> > >
> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
> > >
> > > Thanks for any input:
> > >
> > > Will ☐ N7IPY
> > >
> >
>

19134. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 16:39:19 UTC
From: dean
Topic: 19125 Message: 19134

Not all battery cables are created equal. I have some that would be hard pressed to connect to a one inch pipe. I did mean one inch. I have never seen a one foot diameter copper pipe. I'd say if you want to do the project then make the pipe fit your battery cables but let me tell you the bigger pipe you use the more expensive it'll be. I did not mean the pipe is one inch long I meant it was about 1 inch in diameter and it was long.

I would have attached pictures but my friend requested I not take any. All I can say is that it is a sweet setup and so simple to erect.

WY6L

From: Robert Garland
Sent: Tuesday, August 09, 2011 9:24 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Random wire and counterpoise

Did you mean 1 FOOT instead of one INCH? Battery Cables are about 1 inch across on the clamps, so how would the adjustment be made?

> I have a friend who has an 80 M loop. He has two 1â☐☐ long copper pipes attached to
> each end of the loop. In this case bottom right corner. He has a pair of battery
> cables attached to his coax and each frequency marked on the pipes. He just comes out
> of the shack and attachâ☐☐s it to the frequency he wants to talk on then turns on his
> Henry amp and talks. No need for a tuner except for the initial tunning.
>
> WY6L
>
> From: daverickmers
> Sent: Tuesday, August 09, 2011 7:28 AM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] Re: Random wire and counterpoise
>
>
> Have you considered a wire loop? They generally work better than end-fed wires at low
> elevations. They are wideband and easily matched across their useful bandwidth.
>
> Dave Rickmers/kd6il
> --- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>>
>> Don,
>>
>> Thanks for taking so much time to reply to my question. Lots of good information.
>>
>> In reality I am working on 2 'Random' length antenna projects; one for portable use
>> and another for perminent use at home.
>>

>> In reasurching Random length antennas, I read that it was best to use a non resonant
>> length of wire, and found a chart that suggested a number of lengths that are
>> non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>>
>> I use a number LDG auto tuners on all my antenna projects needing a tuner so was
>> thinking of using a small 4:1 balan between the tuner and the wire antenna and then
>> the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or
>> RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be
>> visiting with my parents soon and they live in the foothills and was going to bring my
>> FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the
>> wire ideas fail in the field) Out where they live the RF noise level is much lower
>> than at home in the burbs'.
>>
>> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I
>> need to keep wires and structures out of sight from the street view. The back yard is
>> large for this area but is to small for long random length antennas. The metal gutters
>> messed up my ideas of wrapping a random length wire antenna around the house. This is
>> the price I paied for a short commute to and from work I guess.
>>
>> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L
>> configuration and attaching a few tuned radials to test with. I will then see if the
>> LDG100Pro can tune it or not.
>>
>> I am also slowly building a MagLoop that should work between 30M - 15M but have not
>> had time to finish it as I have been working on a few after hour paying design
>> projects, currently working on the Vac Variable Cap support structure.
>>
>> More to follow in a few days and thanks to everyone for the suggestions.
>>
>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>> >
>> >
>> >
>> > Hi Will,
>> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so
>> long that it is multiple wavelengths and the signal radiating from some parts of the
>> wire reinforce that from other parts of the wire, accomplishing gain.
>> >
>> > I am assuming you are going to do without feedline and just hook the antenna to your
>> antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for
>> multiband use, unless you add an antenna coupler between the transceiver and the
>> antenna, your random wire antenna might cover only 2 bands if you are lucky.
>> >
>> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can
>> be :
>> >
>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the
>> transceiver. A single band doublet or a fan type multiband dipole will work or a
>> trap type multiband dipole will work OR,

>> >
>> > [2] you can put an antenna coupler between the transceiver and the feedline. The
>> antenna coupler,, when adjusted right and when operating within its design
>> parameters will transform what it sees on its antenna side to make it look like 50
>> Ohms on the transceiver side.
>> >
>> > In case number [2] above, the feedline between the coupler and the random wire
>> antenna will have significant losses on bands where the antenna itself does not
>> match the impedance of the feedline. This is true unless the feedline is either very
>> short or it is a type that has really low losses even when mismatched. Examples of
>> low loss feedlines are open wire feeders or the large windowed twin lead.
>> >
>> > To get back to your question, If you start with the counterpoise of equal length to
>> the wire you have already cut, and put it at equal altitude, it would make a doublet
>> that is resonant near 7 MHz and it will be easy for your coupler to match. You would
>> want to shorten both wires a little if you intend to use it on 40 meters without
>> adding an antenna coupler. If the counterpoise is in the grass, you will have to
>> shorten the counterpoise even further to make it resonant at the same frequency as
>> your elevated antenna hot wire.
>> >
>> > About the terminology:
>> > By antenna coupler, I mean what most folks call an antenna tuner.
>> > These come in various flavors and some are specialized for use with the low loss
>> balanced line (called open wire feeders, ladder line, or twin lead)
>> >
>> > Here is what a fairly versatile fixed station setup would be for multiband
>> operation: Your transceiver, then a short coax cable to a link coupled balanced
>> antenna coupler, then balanced feedline to the center of a 133 foot long doublet.
>> The coupler could be any of the Z-match type antenna couplers that are available as
>> kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some
>> length off of your balanced feeder if there is a favorite band that is difficult for
>> your antenna coupler to match. And no counterpoise is necessary.
>> >
>> > I would encourage you to consider building your antenna coupler from parts or a kit.
>> Further, if you purchase some ceramic insulators and some flexible wire, (even #18
>> speaker wire will do for a temporary experiment), add some windowed twin lead, and
>> you can build an antenna system that will deliver more performance per dollar than a
>> purchased wire antenna.
>> >
>> > If you want to keep the portable station antenna system simple, the elevated random
>> wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you
>> build a L type antenna coupler and simply hook your antenna wire directly to the
>> coupler (and the counterpoise directly to the coupler chassis) you should be able to
>> adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The
>> L network is simple, has no ambiguous multiple settings that might be correct, and
>> handles an extreme range of impedances. The tuning of the L network will be sharp.
>> If you have no luck accomplishing a match, reverse the network so it is transforming
>> in the opposite direction as before. High to low versus low to high impedance. Or,
>> if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the

>> coupler out of the circuit. An antenna system without a feedline, such as the one
>> just described, is radiating RF fairly close to the transceiver and sometimes is
>> troubled with RF in the shack. For an at-home antenna system, you can avoid the RF
>> in the shack by having a system with a feedline that locates the radiating portions
>> of the antenna away from the station.
>> >
>> > To answer your question regarding multiple counterpoises, one per band is effective
>> in keeping the station from having RF on the mic, key, and radio chassis. be sure to
>> insulate the far end of the quarter wave counterpoises. Expect the counterpoises to
>> carry RF current and to radiate. Take that into account when locating them.
>> >
>> > I look forward to hearing what sort of setup you settle on.
>> > 73, Don WN9V
>> >
>> >
>> > "Will" <engineer1@> wrote:
>> > >
>> > >
>> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire
>> antenna for portable use with my FT-817.
>> > >
>> > > What length should I use for the counterpoise that will lie on the ground? Should
>> it be the same length of should I cut one that is resonant at each band I am going
>> to operate on?
>> > >
>> > > Thanks for any input:
>> > >
>> > > Will Â☐ N7IPY
>> > >
>> >
>>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
> members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
> suspension. Moderators WILL have final say in these matters.
> Post message: mailto:ham-antennas%40yahoogroups.com
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com

> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

Robert Garland, NX3S

[Non-text portions of this message have been removed]

19135. Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 18:31:26 UTC
From: AB2ZY
Topic: 19125 Message: 19135

Apropos of nothing...

Did anyone see the last episode of "Fallen Skies"?

An old-timer figures out that you might be able to jam the alien communications by transmitting on HF. He resurrects an old Globe Scout transmitter and is transmitting during an alien attack on the school where they are hiding.

Deciding they need a "bigger antenna", a helper jumps out the window with a set of battery jumper cables and connects them to a flagpole.

The aliens get confused and run away.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> Not all battery cables are created equal. I have some that would be hard pressed to connect to a one inch pipe. I did mean one inch. I have never seen a one foot diameter copper pipe. Iâ□□d say if you want to do the project then make the pipe fit your battery cables but let me tell you the bigger pipe you use the more expensive itâ□□ll be. I did not mean the pipe is one inch long I meant it was about 1 inch in diameter and it was long.
>
> I would have attached pictures but my friend requested I not take any. All I can say is that it is a sweet setup and so simple to erect.
>
> WY6L
>
>
> From: Robert Garland
> Sent: Tuesday, August 09, 2011 9:24 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>
> Did you mean 1 FOOT instead of one INCH? Battery Cables are about 1 inch across on the
> clamps, so how would the adjustment be made?
>
> > I have a friend who has an 80 M loop. He has two 1Ã¢Â□Â□ long copper pipes attached to
> > each end of the loop. In this case bottom right corner. He has a pair of battery
> > cables attached to his coax and each frequency marked on the pipes. He just comes out
> > of the shack and attachÃ¢Â□Â□s it to the frequency he wants to talk on then turns on his
> > Henry amp and talks. No need for a tuner except for the initial tunning.
> >
> > WY6L
> >

> > From: daverickmers
> > Sent: Tuesday, August 09, 2011 7:28 AM
> > To: mailto:ham-antennas%40yahoogroups.com
> > Subject: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> > Have you considered a wire loop? They generally work better than end-fed wires at low
> > elevations. They are wideband and easily matched across their useful bandwidth.
> >
> > Dave Rickmers/kd6il
> > --- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@> wrote:
> >>
> >> Don,
> >>
> >> Thanks for taking so much time to reply to my question. Lots of good information.
> >>
> >> In reality I am working on 2 'Random' length antenna projects; one for portable use
> >> and another for perminent use at home.
> >>
> >> In reasurching Random length antennas, I read that it was best to use a non resonant
> >> length of wire, and found a chart that suggested a number of lengths that are
> >> non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
> >>
> >> I use a number LDG auto tuners on all my antenna projects needing a tuner so was
> >> thinking of using a small 4:1 balan between the tuner and the wire antenna and then
> >> the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or
> >> RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be
> >> visiting with my parents soon and they live in the foothills and was going to bring my
> >> FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the
> >> wire ideas fail in the field) Out where they live the RF noise level is much lower
> >> than at home in the burbs'.
> >>
> >> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I
> >> need to keep wires and structures out of sight from the street view. The back yard is
> >> large for this area but is to small for long random length antennas. The metal gutters
> >> messed up my ideas of wrapping a random length wire antenna around the house. This is
> >> the price I paied for a short commute to and from work I guess.
> >>
> >> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L
> >> configuration and attaching a few tuned radials to test with. I will then see if the
> >> LDG100Pro can tune it or not.
> >>
> >> I am also slowly building a MagLoop that should work between 30M - 15M but have not
> >> had time to finish it as I have been working on a few after hour paying design
> >> projects, currently working on the Vac Variable Cap support structure.
> >>
> >> More to follow in a few days and thanks to everyone for the suggestions.
> >>
> >> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:

> >> >
> >> >
> >> >
> >> > Hi Will,
> >> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so
> >> long that it is multiple wavelengths and the signal radiating from some parts of the
> >> wire reinforce that from other parts of the wire, accomplishing gain.
> >> >
> >> > I am assuming you are going to do without feedline and just hook the antenna to your
> >> antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for
> >> multiband use, unless you add an antenna coupler between the transceiver and the
> >> antenna, your random wire antenna might cover only 2 bands if you are lucky.
> >> >
> >> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can
> >> be :
> >> >
> >> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the
> >> transceiver. A single band doublet or a fan type multiband dipole will work or a
> >> trap type multiband dipole will work OR,
> >> >
> >> > [2] you can put an antenna coupler between the transceiver and the feedline. The
> >> antenna coupler,, when adjusted right and when operating within its design
> >> parameters will transform what it sees on its antenna side to make it look like 50
> >> Ohms on the transceiver side.
> >> >
> >> > In case number [2] above, the feedline between the coupler and the random wire
> >> antenna will have significant losses on bands where the antenna itself does not
> >> match the impedance of the feedline. This is true unless the feedline is either very
> >> short or it is a type that has really low losses even when mismatched. Examples of
> >> low loss feedlines are open wire feeders or the large windowed twin lead.
> >> >
> >> > To get back to your question, If you start with the counterpoise of equal length to
> >> the wire you have already cut, and put it at equal altitude, it would make a doublet
> >> that is resonant near 7 MHz and it will be easy for your coupler to match. You would
> >> want to shorten both wires a little if you intend to use it on 40 meters without
> >> adding an antenna coupler. If the counterpoise is in the grass, you will have to
> >> shorten the counterpoise even further to make it resonant at the same frequency as
> >> your elevated antenna hot wire.
> >> >
> >> > About the terminology:
> >> > By antenna coupler, I mean what most folks call an antenna tuner.
> >> > These come in various flavors and some are specialized for use with the low loss
> >> balanced line (called open wire feeders, ladder line, or twin lead)
> >> >
> >> > Here is what a fairly versatile fixed station setup would be for multiband
> >> operation: Your transceiver, then a short coax cable to a link coupled balanced
> >> antenna coupler, then balanced feedline to the center of a 133 foot long doublet.
> >> The coupler could be any of the Z-match type antenna couplers that are available as
> >> kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some

> >> length off of your balanced feeder if there is a favorite band that is difficult for
> >> your antenna coupler to match. And no counterpoise is necessary.
> >> >
> >> > I would encourage you to consider building your antenna coupler from parts or a kit.
> >> Further, if you purchase some ceramic insulators and some flexible wire, (even #18
> >> speaker wire will do for a temporary experiment), add some windowed twin lead, and
> >> you can build an antenna system that will deliver more performance per dollar than a
> >> purchased wire antenna.
> >> >
> >> > If you want to keep the portable station antenna system simple, the elevated random
> >> wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you
> >> build a L type antenna coupler and simply hook your antenna wire directly to the
> >> coupler (and the counterpoise directly to the coupler chassis) you should be able to
> >> adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The
> >> L network is simple, has no ambiguous multiple settings that might be correct, and
> >> handles an extreme range of impedances. The tuning of the L network will be sharp.
> >> If you have no luck accomplishing a match, reverse the network so it is transforming
> >> in the opposite direction as before. High to low versus low to high impedance. Or,
> >> if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the
> >> coupler out of the circuit. An antenna system without a feedline, such as the one
> >> just described, is radiating RF fairly close to the transceiver and sometimes is
> >> troubled with RF in the shack. For an at-home antenna system, you can avoid the RF
> >> in the shack by having a system with a feedline that locates the radiating portions
> >> of the antenna away from the station.
> >> >
> >> > To answer your question regarding multiple counterpoises, one per band is effective
> >> in keeping the station from having RF on the mic, key, and radio chassis. be sure to
> >> insulate the far end of the quarter wave counterpoises. Expect the counterpoises to
> >> carry RF current and to radiate. Take that into account when locating them.
> >> >
> >> > I look forward to hearing what sort of setup you settle on.
> >> > 73, Don WN9V
> >> >
> >> >
> >> > "Will" <engineer1@> wrote:
> >> > >
> >> > >
> >> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire
> >> antenna for portable use with my FT-817.
> >> > >
> >> > > What length should I use for the counterpoise that will lie on the ground? Should
> >> it be the same length of should I cut one that is resonant at each band I am going
> >> to operate on?
> >> > >
> >> > > Thanks for any input:
> >> > >
> >> > > Will Ã□Â□ N7IPY
> >> > >
> >> >

> >>
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
> > members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for
> > suspension. Moderators WILL have final say in these matters.
> > Post message: mailto:ham-antennas%40yahoogroups.com
> > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
>
> Robert Garland, NX3S
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19136. Re: [ham-antennas] help needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 21:17:20 UTC
From: George Kracke
Topic: 19128 Message: 19136

Here is photo of the antenna
----- Original Message -----
From: Siegfried Jackstien<mailto:siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Tuesday, August 09, 2011 9:21 AM
Subject: AW: [ham-antennas] help needed

Look here:
http://www.dk3wn.info/antennen.shtml<http://www.dk3wn.info/antennen.shtml>
is is one of these antennas (look at the pics)
rectangle with bars and coax ... that looks like the one that I have seen on
he roof of mike (dk3wn)
maybe it is the right one
greetz
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>] Im
> Auftrag von George Kracke
> Gesendet: Dienstag, 9. August 2011 13:23
> An: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] help needed
>
>
>
> I have a, what appears to be a 440 mhz range "X" beam. It is a flat "X" 12
> elements on a 1/2 x 1" boom 2 pcs. elements are 1/4" alum rod attached to
> the boom via an insulator. The DE is a rectangle with shorting bars and a
> coax connection. This part is in pc's. Does any one have an idea toward
> the maker or some info to share to identify this beam? I will be glad to
> send photos to anyone to help identify.
> Thanks 73's
> George w2agr
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19137. AW: [ham-antennas] help needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-09 21:59:51 UTC
From: Siegfried Jackstien
Topic: 19128 Message: 19137

?????
Where??
?????
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von George Kracke
> Gesendet: Dienstag, 9. August 2011 21:17
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] help needed
>
>
>
> Here is photo of the antenna
> ----- Original Message -----
> From: Siegfried Jackstien<mailto:siegfried.jackstien@...
> <mailto:siegfried.jackstien%40freenet.de> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> >
> Sent: Tuesday, August 09, 2011 9:21 AM
> Subject: AW: [ham-antennas] help needed
>
> Look here:
> http://www.dk3wn.info/antennen.shtml<http://www.dk3wn.info/antennen.shtml>
> is is one of these antennas (look at the pics)
> rectangle with bars and coax ... that looks like the one that I have seen
> on
> he roof of mike (dk3wn)
> maybe it is the right one
> greetz
> sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> > [mailto:ham-
> antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > Auftrag von George Kracke
> > Gesendet: Dienstag, 9. August 2011 13:23
> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>

> > Betreff: [ham-antennas] help needed
> >
> >
> >
> > I have a, what appears to be a 440 mhz range "X" beam. It is a flat "X"
> 12
> > elements on a 1/2 x 1" boom 2 pcs. elements are 1/4" alum rod attached
> to
> > the boom via an insulator. The DE is a rectangle with shorting bars and
> a
> > coax connection. This part is in pc's. Does any one have an idea toward
> > the maker or some info to share to identify this beam? I will be glad to
> > send photos to anyone to help identify.
> > Thanks 73's
> > George w2agr
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19138. Re: [ham-antennas] help needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-10 00:43:38 UTC
From: George Kracke
Topic: 19128 Message: 19138

```
----- Original Message -----
From: Siegfried Jackstien<mailto:siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Tuesday, August 09, 2011 4:59 PM
Subject: AW: [ham-antennas] help needed

?????
Where??
?????
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>] Im
> Auftrag von George Kracke
> Gesendet: Dienstag, 9. August 2011 21:17
> An: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Betreff: Re: [ham-antennas] help needed
>
>
>
> Here is photo of the antenna
> ----- Original Message -----
> From: Siegfried
Jackstien<mailto:siegfried.jackstien@...<mailto:siegfried.jackstien%40freenet.de>
> <mailto:siegfried.jackstien%40freenet.de> >
> To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com> <mailto:ham-
> antennas%40yahoogroups.com> >
> Sent: Tuesday, August 09, 2011 9:21 AM
> Subject: AW: [ham-antennas] help needed
>
> Look here:
> http://www.dk3wn.info/antennen.shtml<http://www.dk3wn.info/antennen.shtml><http://www.dk
3wn.info/antennen.shtml<http://www.dk3wn.info/antennen.shtml>>
> is is one of these antennas (look at the pics)
> rectangle with bars and coax ... that looks like the one that I have seen
> on
> he roof of mike (dk3wn)
> maybe it is the right one
> greetz
> sigi
>
```

> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com> <mailto:ham-
> antennas%40yahoogroups.com>
<mailto:ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com> > [mailto:ham-
> antennas@yahoogroups.com<mailto:antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > Auftrag von George Kracke
> > Gesendet: Dienstag, 9. August 2011 13:23
> > An: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Betreff: [ham-antennas] help needed
> >
> >
> >
> > I have a, what appears to be a 440 mhz range "X" beam. It is a flat "X"
> 12
> > elements on a 1/2 x 1" boom 2 pcs. elements are 1/4" alum rod attached
> to
> > the boom via an insulator. The DE is a rectangle with shorting bars and
> a
> > coax connection. This part is in pc's. Does any one have an idea toward
> > the maker or some info to share to identify this beam? I will be glad to
> > send photos to anyone to help identify.
> > Thanks 73's
> > George w2agr
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19139. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-10 04:28:59 UTC
From: Robert Garland
Topic: 19125 Message: 19139

W6YL:

You were talking diameter. I was thinking length. Hence the confusion.

NX3S

> Apropos of nothing...
>
> Did anyone see the last episode of "Fallen Skies"?
>
> An old-timer figures out that you might be able to jam the alien communications by
> transmitting on HF. He resurrects an old Globe Scout transmitter and is transmitting
> during an alien attack on the school where they are hiding.
>
> Deciding they need a "bigger antenna", a helper jumps out the window with a set of
> battery jumper cables and connects them to a flagpole.
>
> The aliens get confused and run away.
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>>
>> Not all battery cables are created equal. I have some that would be hard pressed to
>> connect to a one inch pipe. I did mean one inch. I have never seen a one foot
>> diameter copper pipe. I'd say if you want to do the project then make the pipe fit
>> your battery cables but let me tell you the bigger pipe you use the more expensive
>> it'll be. I did not mean the pipe is one inch long I meant it was about 1 inch in
>> diameter and it was long.
>>
>> I would have attached pictures but my friend requested I not take any. All I can say
>> is that it is a sweet setup and so simple to erect.
>>
>> WY6L
>>
>>
>> From: Robert Garland
>> Sent: Tuesday, August 09, 2011 9:24 AM
>> To: ham-antennas@yahoogroups.com
>> Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>
>>
>> Did you mean 1 FOOT instead of one INCH? Battery Cables are about 1 inch across on the
>> clamps, so how would the adjustment be made?

>>
>> > I have a friend who has an 80 M loop. He has two 1â□□ long copper pipes attached
>> to
>> > each end of the loop. In this case bottom right corner. He has a pair of battery
>> > cables attached to his coax and each frequency marked on the pipes. He just comes
>> out
>> > of the shack and attachâ□□s it to the frequency he wants to talk on then turns on
>> his
>> > Henry amp and talks. No need for a tuner except for the initial tunning.
>> >
>> > WY6L
>> >
>> > From: daverickmers
>> > Sent: Tuesday, August 09, 2011 7:28 AM
>> > To: mailto:ham-antennas%40yahoogroups.com
>> > Subject: [ham-antennas] Re: Random wire and counterpoise
>> >
>> >
>> > Have you considered a wire loop? They generally work better than end-fed wires at
>> low
>> > elevations. They are wideband and easily matched across their useful bandwidth.
>> >
>> > Dave Rickmers/kd6il
>> > --- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@> wrote:
>> >>
>> >> Don,
>> >>
>> >> Thanks for taking so much time to reply to my question. Lots of good information.
>> >>
>> >> In reality I am working on 2 'Random' length antenna projects; one for portable use
>> >> and another for perminent use at home.
>> >>
>> >> In reasurching Random length antennas, I read that it was best to use a non
>> resonant
>> >> length of wire, and found a chart that suggested a number of lengths that are
>> >> non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>> >>
>> >> I use a number LDG auto tuners on all my antenna projects needing a tuner so was
>> >> thinking of using a small 4:1 balan between the tuner and the wire antenna and then
>> >> the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or
>> >> RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will
>> be
>> >> visiting with my parents soon and they live in the foothills and was going to bring
>> my
>> >> FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase
>> the
>> >> wire ideas fail in the field) Out where they live the RF noise level is much lower
>> >> than at home in the burbs'.
>> >>

>> >> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so
>> I
>> >> need to keep wires and structures out of sight from the street view. The back yard
>> is
>> >> large for this area but is to small for long random length antennas. The metal
>> gutters
>> >> messed up my ideas of wrapping a random length wire antenna around the house. This
>> is
>> >> the price I paied for a short commute to and from work I guess.
>> >>
>> >> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted
>> L
>> >> configuration and attaching a few tuned radials to test with. I will then see if
>> the
>> >> LDG100Pro can tune it or not.
>> >>
>> >> I am also slowly building a MagLoop that should work between 30M - 15M but have not
>> >> had time to finish it as I have been working on a few after hour paying design
>> >> projects, currently working on the Vac Variable Cap support structure.
>> >>
>> >> More to follow in a few days and thanks to everyone for the suggestions.
>> >>
>> >> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>> >> >
>> >> >
>> >> >
>> >> > Hi Will,
>> >> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is
>> so
>> >> long that it is multiple wavelengths and the signal radiating from some parts of
>> the
>> >> wire reinforce that from other parts of the wire, accomplishing gain.
>> >> >
>> >> > I am assuming you are going to do without feedline and just hook the antenna to
>> your
>> >> antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for
>> >> multiband use, unless you add an antenna coupler between the transceiver and the
>> >> antenna, your random wire antenna might cover only 2 bands if you are lucky.
>> >> >
>> >> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That
>> can
>> >> be :
>> >> >
>> >> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the
>> >> transceiver. A single band doublet or a fan type multiband dipole will work or a
>> >> trap type multiband dipole will work OR,
>> >> >
>> >> > [2] you can put an antenna coupler between the transceiver and the feedline. The
>> >> antenna coupler,, when adjusted right and when operating within its design

>> >> parameters will transform what it sees on its antenna side to make it look like 50
>> >> Ohms on the transceiver side.
>> >> >
>> >> > In case number [2] above, the feedline between the coupler and the random wire
>> >> antenna will have significant losses on bands where the antenna itself does not
>> >> match the impedance of the feedline. This is true unless the feedline is either
>> very
>> >> short or it is a type that has really low losses even when mismatched. Examples of
>> >> low loss feedlines are open wire feeders or the large windowed twin lead.
>> >> >
>> >> > To get back to your question, If you start with the counterpoise of equal length
>> to
>> >> the wire you have already cut, and put it at equal altitude, it would make a
>> doublet
>> >> that is resonant near 7 MHz and it will be easy for your coupler to match. You
>> would
>> >> want to shorten both wires a little if you intend to use it on 40 meters without
>> >> adding an antenna coupler. If the counterpoise is in the grass, you will have to
>> >> shorten the counterpoise even further to make it resonant at the same frequency as
>> >> your elevated antenna hot wire.
>> >> >
>> >> > About the terminology:
>> >> > By antenna coupler, I mean what most folks call an antenna tuner.
>> >> > These come in various flavors and some are specialized for use with the low loss
>> >> balanced line (called open wire feeders, ladder line, or twin lead)
>> >> >
>> >> > Here is what a fairly versatile fixed station setup would be for multiband
>> >> operation: Your transceiver, then a short coax cable to a link coupled balanced
>> >> antenna coupler, then balanced feedline to the center of a 133 foot long doublet.
>> >> The coupler could be any of the Z-match type antenna couplers that are available as
>> >> kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some
>> >> length off of your balanced feeder if there is a favorite band that is difficult
>> for
>> >> your antenna coupler to match. And no counterpoise is necessary.
>> >> >
>> >> > I would encourage you to consider building your antenna coupler from parts or a
>> kit.
>> >> Further, if you purchase some ceramic insulators and some flexible wire, (even #18
>> >> speaker wire will do for a temporary experiment), add some windowed twin lead, and
>> >> you can build an antenna system that will deliver more performance per dollar than
>> a
>> >> purchased wire antenna.
>> >> >
>> >> > If you want to keep the portable station antenna system simple, the elevated
>> random
>> >> wire plus a slightly shorter counterpoise in the grass can serve the purpose. If
>> you
>> >> build a L type antenna coupler and simply hook your antenna wire directly to the
>> >> coupler (and the counterpoise directly to the coupler chassis) you should be able

>> to
>> >> adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The
>> >> L network is simple, has no ambiguous multiple settings that might be correct, and
>> >> handles an extreme range of impedances. The tuning of the L network will be sharp.
>> >> If you have no luck accomplishing a match, reverse the network so it is
>> transforming
>> >> in the opposite direction as before. High to low versus low to high impedance. Or,
>> >> if your antenna plus counterpoise happens to be very close to 50 Ohms, just take
>> the
>> >> coupler out of the circuit. An antenna system without a feedline, such as the one
>> >> just described, is radiating RF fairly close to the transceiver and sometimes is
>> >> troubled with RF in the shack. For an at-home antenna system, you can avoid the RF
>> >> in the shack by having a system with a feedline that locates the radiating portions
>> >> of the antenna away from the station.
>> >> >
>> >> > To answer your question regarding multiple counterpoises, one per band is
>> effective
>> >> in keeping the station from having RF on the mic, key, and radio chassis. be sure
>> to
>> >> insulate the far end of the quarter wave counterpoises. Expect the counterpoises to
>> >> carry RF current and to radiate. Take that into account when locating them.
>> >> >
>> >> > I look forward to hearing what sort of setup you settle on.
>> >> > 73, Don WN9V
>> >> >
>> >> >
>> >> > "Will" <engineer1@> wrote:
>> >> > >
>> >> > >
>> >> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire
>> >> antenna for portable use with my FT-817.
>> >> > >
>> >> > > What length should I use for the counterpoise that will lie on the ground?
>> Should
>> >> it be the same length of should I cut one that is resonant at each band I am going
>> >> to operate on?
>> >> > >
>> >> > > Thanks for any input:
>> >> > >
>> >> > > Will Â☐ N7IPY
>> >> > >
>> >> >
>> >> >
>> >>
>> >
>> >
>> >
>> >
>> >
>> > [Non-text portions of this message have been removed]

>> >
>> >
>> >
>> > ------------------------------------
>> >
>> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL
>> 2586
>> > members (as of 6/28/11). and attachments are NOT permitted.
>> > Any statements in ANY post that may be construed as inflamatory MAY be cause for
>> > suspension. Moderators WILL have final say in these matters.
>> > Post message: mailto:ham-antennas%40yahoogroups.com
>> > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>> > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>> > List owner: mailto:ham-antennas-owner%40yahoogroups.com
>> > Yahoo! Groups Links
>> >
>> >
>> >
>> >
>> >
>>
>> Robert Garland, NX3S
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
> members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
> suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

Robert Garland, NX3S

19140. Copper vs stainless steel

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-10 17:56:30 UTC
From: Steve
Topic: 19140 Message: 19140

Conductivity of metals
10e6 Seimens/m
Cu. 58
Al. 37
Brass. 16
Ss. 1

I recently noted how low the conductivity of stainless steel is. I use a 9 foot ss whip as the top section of a 20/17 meter vertical. Would the performance of the antenna be noticeably improved by replacing the ss whip with one of copper?

Steve. KD0ETC

19141. RE: [ham-antennas] Copper vs stainless steel

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-10 18:05:57 UTC
From: MIKE DURKIN
Topic: 19140 Message: 19141

I seriously doubt it .... in high current regions of the antenna(base of 1/4wave) , yes, but the loss of SS with such a low current flow compared to Cu might not even be measurable.

To: ham-antennas@yahoogroups.com
From: kenwest821@...
Date: Wed, 10 Aug 2011 17:56:30 +0000
Subject: [ham-antennas] Copper vs stainless steel

Conductivity of metals

10e6 Seimens/m

Cu. 58

Al. 37

Brass. 16

Ss. 1

I recently noted how low the conductivity of stainless steel is. I use a 9 foot ss whip as the top section of a 20/17 meter vertical. Would the performance of the antenna be noticeably improved by replacing the ss whip with one of copper?

Steve. KD0ETC

[Non-text portions of this message have been removed]

19142. Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-10 18:42:26 UTC
From: daverickmers
Topic: 19125 Message: 19142

If you can get one end up 30' you can make an acceptable half-sloper. How much horizontal room do you have? If you could make a 33' sloper with a tuner at the feedpoint I'd bet it'd be a screamer. Do you have any ground radials?
Dave/kd6il

--- In ham-antennas@yahoogroups.com, "Will" <engineer1@...> wrote:
>
> Yesterday after work I strung up the 84 foot non-resonant wire in a sort-of inverted L (more inverted U) configuration. Space is limited and the wire must stay close to the house as I don't want to advertise my antenna.
>
> It is end fed, goes up about 10 feet on a small shed then over to the top of a mast that has an anemometer on it, over to a peek on the 2nd floor roof then back down to a short mast at the back corner of the roof at about 12 feet. I put out 1 radial for 40 meters and 1 for 80 meters and went inside to try it.
>
> Using the LDG100Pro it tuned 80, 40, 30, 20 just fine, 1:1 on the LED meter of the LDG. I was able to make WINMOR connections on 80, 40, 30 meters with stations up to 600 miles away, but it is very noisy on 80meters. Next I will add more radials and work on reducing the common mode noise.
>
> Will - N7IPY
>
> --- In ham-antennas@yahoogroups.com, "Will" <engineer1@> wrote:
> >
> > Don,
> >
> > Thanks for taking so much time to reply to my question. Lots of good information.
> >
> > In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
> >
> > In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
> >
> > I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
> >
> > The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.

> >
> > Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
> >
> > I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
> >
> > More to follow in a few days and thanks to everyone for the suggestions.
> >
> > --- In ham-antennas@yahoogroups.com, "ninevictor" <WN9V@> wrote:
> > >
> > >
> > >
> > > Hi Will,
> > > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
> > >
> > > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
> > >
> > > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
> > >
> > > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
> > >
> > > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
> > >
> > > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
> > >
> > > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
> > >
> > > About the terminology:
> > > By antenna coupler, I mean what most folks call an antenna tuner.
> > > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
> > >
> > > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short

coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
> > >
> > > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
> > >
> > > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
> > >
> > > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
> > >
> > > I look forward to hearing what sort of setup you settle on.
> > > 73, Don WN9V
> > >
> > >
> > > "Will" <engineer1@> wrote:
> > > >
> > > >
> > > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
> > > >
> > > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
> > > >
> > > > Thanks for any input:
> > > >
> > > > Will ☐ N7IPY
> > > >
> > > >
> > > >
> > >
> >

19143. Re: [ham-antennas] Copper vs stainless steel

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-10 19:32:33 UTC
From: Ron Youvan
Topic: 19140 Message: 19143

Steve KD0ETC wrote:

> Conductivity of metals
> 10e6 Seimens/m
> Cu. 58
> Al. 37
> Brass. 16
> Ss. 1

> I recently noted how low the conductivity of stainless steel is. I use a 9 foot ss whip as the top
> section of a 20/17 meter vertical. Would the performance of the antenna be noticeably improved by
> replacing the ss whip with one of copper?

Not that you would notice.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19144. SWR & handheld antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-10 21:20:03 UTC
From: hitekgearhead
Topic: 19144 Message: 19144

Hello guys. I have a couple questions.

First, a little context on the issues....

I am trying to construct a four element cubical quad for GMRS service. (I know, not exactly ham, but pretend it is for 70cm if you have to... wink wink....)

The main difference between my design and typical quads is that I am not using wire and spreaders for the elements. I am using pieces of bare circuit board material (FR4/fiberglass) with copper tape laid out on them for the "elements". The square boards are drilled in the center so that they can be mounted on a boom made of PVC & nylon.

I can send a picture if anyone wants one.

Ok, my first question: Doesn't the fact that holding the antenna in your hand affect the tuning/SWR? How does one compensate for this?

Secondly, the antenna is designed for 462MHZ. I have swept it using my HT and an SWR meter but haven't found a reading of less than 2:1. I used one of several online calculators to work out the element lengths and spacing. Do you think those values need to be adjusted based upon my construction methods and materials?

Lastly, I have seen descriptions that both require and don't require a balun to feed the driven element. I would rather keep this antenna as simple as possible, so please advise me on whether or not it would be best to implement a balun or whether I can achieve good performance without one.

Thanks
Albert
KI4ORI

19145. AW: [ham-antennas] SWR & handheld antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-10 21:32:05 UTC
From: Siegfried Jackstien
Topic: 19144 Message: 19145

The input impedance of a quad has abt 100 ohms (theoretically) so the 1:2 is possible...
The impedance of a quad in a beam antenna can be 50 ohms or even way lower if the elements are close together ....

You can get without a blun with a gamma match (parallel wire on one side with a bridge to the quad and a series cap from center of coax)

The antenna holding in the hand sure effects swr ... so I would either hold it at the back end (make a longer boom and make the handle on the rear end)
Or I would make a short pole (broom-handle or similar) for it

Best thing would be if you would have an analyzer

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von hitekgearhead
> Gesendet: Mittwoch, 10. August 2011 21:20
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] SWR & handheld antennas
>
>
>
> Hello guys. I have a couple questions.
>
> First, a little context on the issues....
>
> I am trying to construct a four element cubical quad for GMRS service. (I
> know, not exactly ham, but pretend it is for 70cm if you have to... wink
> wink....)
>
> The main difference between my design and typical quads is that I am not
> using wire and spreaders for the elements. I am using pieces of bare
> circuit board material (FR4/fiberglass) with copper tape laid out on them
> for the "elements". The square boards are drilled in the center so that
> they can be mounted on a boom made of PVC & nylon.
>
> I can send a picture if anyone wants one.
>
> Ok, my first question: Doesn't the fact that holding the antenna in your
> hand affect the tuning/SWR? How does one compensate for this?
>
> Secondly, the antenna is designed for 462MHZ. I have swept it using my HT

> and an SWR meter but haven't found a reading of less than 2:1. I used one
> of several online calculators to work out the element lengths and spacing.
> Do you think those values need to be adjusted based upon my construction
> methods and materials?
>
> Lastly, I have seen descriptions that both require and don't require a
> balun to feed the driven element. I would rather keep this antenna as
> simple as possible, so please advise me on whether or not it would be best
> to implement a balun or whether I can achieve good performance without
> one.
>
> Thanks
> Albert
> KI4ORI
>
>
>
>

19146. Re: [ham-antennas] SWR & handheld antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 01:15:28 UTC
From: Ron Youvan
Topic: 19144 Message: 19146

KI4ORI hitekgearhead wrote:

> I am trying to construct a four element cubical quad for GMRS service.
> pretend it is for 70cm if you have to... wink wink....)

> The main difference between my design and typical quads is that I am not using wire and spreaders
> for the elements. I am using pieces of bare circuit board material (FR4/fiberglass) with copper tape
> laid out on them for the "elements". The square boards are drilled in the center so that they can be
> mounted on a boom made of PVC & nylon.

> Ok, my first question: Doesn't the fact that holding the antenna in your hand affect the tuning/SWR?
> How does one compensate for this?

You absorb power AND you de-tune it.

> Secondly, the antenna is designed for 462MHZ. I have swept it using my HT and an SWR meter but
> haven't found a reading of less than 2:1. I used one of several online calculators to work out the
> element lengths and spacing. Do you think those values need to be adjusted based upon my
> construction methods and materials?

When elements get close to each other the driven element impedance lowers, like 10 Ohms sometimes, so a stub or gamma/delta matching is necessary.

> Lastly, I have seen descriptions that both require and don't require a balun to feed the driven
> element. I would rather keep this antenna as simple as possible, so please advise me on whether or
> not it would be best to implement a balun or whether I can achieve good performance without one.

You must match our feedline to the driven element/s somehow. See antenna books.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19147. 2m Slim-Jim

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 02:13:35 UTC
From: Richard Schmuke
Topic: 19147 Message: 19147

The weather finally was a little cooler here. I was able to get outside without melting and got a chance to look at my 2M Slim-Jim antenna at the top of my tilt over. I replaced the 9913 coax with some Belden 8237. For the 50ft run it will be about .3Db more loss with the solid polyethylene but I did not get good readings with a Tektronix dummy load on the end of the 9913. It had a application of CoaxSeal on the antenna end but I guess a few years of rain, snow and ice then sun is not good for 9913. Anybody need some slightly used 9913? I can get it back out of the trash can.

Rich , KDØZZ , ☺

Reality is the leading cause of stress amongst those in touch with it."

19148. Re: [ham-antennas] SWR & handheld antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 07:25:43 UTC
From: James Irving
Topic: 19144 Message: 19148

Hi Albert...

Just a thought.... When I first purchased my MFJ259B anntenna analyzer, one of my "experiments" was to connect the 2m rubber duckie from a handlheld. SWR was sky high, and resonance couldn't be found.... unless the antenna was close to the body. So, I guess the answer is "yes", you will have to compensate for the "ground" that the body provides by hand holding the antenna. Exactly how you can accomplish this, especially with a multi-element antenna, I haven't a clue.
Maybe look at an antenna designed for "foxhunting"; might compare calculated design to actual working model.

73, Jim

From: hitekgearhead <hitekgearhead@...>
To: ham-antennas@...m
Sent: Wednesday, August 10, 2011 4:20 PM
Subject: [ham-antennas] SWR & handheld antennas

Hello guys. I have a couple questions.

First, a little context on the issues....

I am trying to construct a four element cubical quad for GMRS service. (I know, not exactly ham, but pretend it is for 70cm if you have to... wink wink....)

The main difference between my design and typical quads is that I am not using wire and spreaders for the elements. I am using pieces of bare circuit board material (FR4/fiberglass) with copper tape laid out on them for the "elements". The square boards are drilled in the center so that they can be mounted on a boom made of PVC & nylon.

I can send a picture if anyone wants one.

Ok, my first question: Doesn't the fact that holding the antenna in your hand affect the tuning/SWR? How does one compensate for this?

Secondly, the antenna is designed for 462MHZ. I have swept it using my HT and an SWR meter but haven't found a reading of less than 2:1. I used one of several online calculators to work out the element lengths and spacing. Do you think those values need to be adjusted based upon my construction methods and materials?

Lastly, I have seen descriptions that both require and don't require a balun to feed the driven element. I would rather keep this antenna as simple as possible, so please advise me on whether or not it would be best to implement a balun or whether I can achieve good performance without one.

Thanks
Albert

KI4ORI

[Non-text portions of this message have been removed]

19149. Visual SWR.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 12:45:00 UTC
From: Joe
Topic: 19149 Message: 19149

This is a very cool video!

It is OLD but it in a visual way discusses waves, And they get into
impedance's on a transmission matching loads, line and demonstrates SWR
What it is and how it is created and measured. Very Cool!

Joe WB9SBD

here is the video,
http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Beha
vior
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

19150. Re: Visual SWR.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 13:50:55 UTC
From: Jim Whitaker
Topic: 19149 Message: 19150

Very good explanation, the best I’ve ever seen, thanks.

DE N8XYN Jim

[Non-text portions of this message have been removed]

19151. need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 18:21:57 UTC
From: Dale H. Cole K8TS
Topic: 19151 Message: 19151

am building inverted vee for 3.8 meg. I have 40 meters of wire sunning its self right now. Do I need to make each leg 20 meters (~1/4) or do I need to have another 40 meters of wire additional for the other leg?

Elementry question, but I forgot, and can't find a difinive answeer in my wire antenna book

:(

Dale K8TS

(and a 20 wpm extra to boot!!)

[Non-text portions of this message have been removed]

19152. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 18:51:38 UTC
From: Ron Youvan
Topic: 19151 Message: 19152

Hi Dale H. Cole K8TS:

> am building inverted "V" for 3.8 meg.? I have 40 meters of wire sunning its self right now.? Do I
> need to make each leg 20 meters (~1/4) or do I need to have another 40 meters of wire additional for
> the other leg?
>
> Elementary question, but I forgot, and can't find a definitive answer in my wire antenna book?

An inverted "V" antenna is simply a dipole with only one center support.
Because the ends are closer to the ground compared to a common dipole the capacity at the ends will
be greater so it will tune a bit lower in frequency depending on how low to the ground the ends are.

This is not a problem if you loop back 6' of wire at the end insulators and secure the loop with
a "split bolt" at the ends, then you can tune it from the ground. (by loosening the rope or cord)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19153. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 19:38:10 UTC
From: Dale H. Cole K8TS
Topic: 19151 Message: 19153

Thanks for the answer Ron.

I am having a stupid attact. The wire has been cut at a lenght of 40 meters. Is each leg 20 meters, or 40 meters for a resonate antenna for 3.8 (+/-) trimming

Dale

----- Original Message -----

From: "Ron Youvan" <ka4inm@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 11, 2011 2:51:38 PM
Subject: Re: [ham-antennas] need quick answer

Hi Dale H. Cole K8TS:

> am building inverted "V" for 3.8 meg.Â I have 40 meters of wire sunning its self right now.Â Do I
> need to make each leg 20 meters (~1/4) or do I need to have another 40 meters of wire additional for
> the other leg?
>
> Elementary question, but I forgot, and can't find a definitive answer in my wire antenna bookÂ

An inverted "V" antenna is simply a dipole with only one center support.
Because the ends are closer to the ground compared to a common dipole the capacity at the ends will
be greater so it will tune a bit lower in frequency depending on how low to the ground the ends are.

This is not a problem if you loop back 6' of wire at the end insulators and secure the loop with
a "split bolt" at the ends, then you can tune it from the ground. (by loosening the rope or cord)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

19154. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 20:00:11 UTC
From: Ron Youvan
Topic: 19151 Message: 19154

Hi Dale H. Cole K8TS:

> I am having a stupid attack. The wire has been cut at a length of 40 meters. Is each leg 20
> meters, or 40 meters for a resonate antenna for 3.8 (+/-) trimming

It's called "old timer's disease." Since you are "inverting" it it will be a bit too long so be
sure to fold the ends back through the end insulators and secure the ends up the wire a bit with
small split bolts. Then you can trim it without soldering, just two small wrenches.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19155. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 20:01:30 UTC
From: Brian Craig
Topic: 19151 Message: 19155

468/3.8 gives you the total length +- divide by 2 for each side roughly 20 meters per side.

Brian K6FTY

----- Original Message -----
From: Dale H. Cole K8TS
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 11, 2011 12:38 PM
Subject: Re: [ham-antennas] need quick answer

Thanks for the answer Ron.

I am having a stupid attact. The wire has been cut at a lenght of 40 meters. Is each leg 20 meters, or 40 meters for a resonate antenna for 3.8 (+/-) trimming

Dale

----- Original Message -----

From: "Ron Youvan" <ka4inm@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 11, 2011 2:51:38 PM
Subject: Re: [ham-antennas] need quick answer

Hi Dale H. Cole K8TS:

> am building inverted "V" for 3.8 meg.Â I have 40 meters of wire sunning its self right now.Â Do I
> need to make each leg 20 meters (~1/4) or do I need to have another 40 meters of wire additional for
> the other leg?
>
> Elementary question, but I forgot, and can't find a definitive answer in my wire antenna bookÂ

An inverted "V" antenna is simply a dipole with only one center support.
Because the ends are closer to the ground compared to a common dipole the capacity at the ends will
be greater so it will tune a bit lower in frequency depending on how low to the ground the ends are.

This is not a problem if you loop back 6' of wire at the end insulators and secure the loop with
a "split bolt" at the ends, then you can tune it from the ground. (by loosening the rope or cord)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19156. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 20:20:59 UTC
From: Dale H. Cole K8TS
Topic: 19151 Message: 19156

THAT'S the answer I was looking for Brian! Ron was good job trying to explain the operation, but I had forgot WHERE to cut it.......Thanks to you both!!

Dale K8TS

----- Original Message -----

From: "Brian Craig" <b.craig@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 11, 2011 4:01:30 PM
Subject: Re: [ham-antennas] need quick answer

468/3.8 gives you the total length +- divide by 2 for each side roughly 20 meters per side.

Brian K6FTY

----- Original Message -----
From: Dale H. Cole K8TS
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 11, 2011 12:38 PM
Subject: Re: [ham-antennas] need quick answer

Thanks for the answer Ron.

I am having a stupid attact. The wire has been cut at a lenght of 40 meters. Is each leg 20 meters, or 40 meters for a resonate antenna for 3.8 (+/-) trimming

Dale

----- Original Message -----

From: "Ron Youvan" < ka4inm@... >
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 11, 2011 2:51:38 PM
Subject: Re: [ham-antennas] need quick answer

Hi Dale H. Cole K8TS:

> am building inverted "V" for 3.8 meg.Â I have 40 meters of wire sunning its self right now.Â Do I
> need to make each leg 20 meters (~1/4) or do I need to have another 40 meters of wire additional for
> the other leg?
>
> Elementary question, but I forgot, and can't find a definitive answer in my wire antenna bookÂ

An inverted "V" antenna is simply a dipole with only one center support.
Because the ends are closer to the ground compared to a common dipole the capacity at the ends will
be greater so it will tune a bit lower in frequency depending on how low to the ground the ends are.

This is not a problem if you loop back 6' of wire at the end insulators and secure the loop with
a "split bolt" at the ends, then you can tune it from the ground. (by loosening the rope or cord)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19157. Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 20:48:39 UTC
From: Will
Topic: 19125 Message: 19157

Well between an antenna unfriendly neighborhood and a wife that does not want wires hanging around everywhere I have a real challenge. The current stretched inverted U end fed wire antenna is up and working, at least some.

It does tune on 80/40/30/20 to a very low SWR, barly moving the meter on the FT450, but low SWR does not mean the antenna actually works.I only have 3 40M radials and one 80M radial laying on the grass right now. If anything it is a better NVIS antenna than a long range design as it is close to the ground. It does get me on the air so I can have some fun, but the quest to making this a better antenna is on.

Later this year I will be installing a flagpole verticle antenna in the back yard.

Will - N7IPY

--- In ham-antennas@yahoogroups.com, "daverickmers" <daverickmers@...> wrote:
>
> If you can get one end up 30' you can make an acceptable half-sloper. How much horizontal room do you have? If you could make a 33' sloper with a tuner at the feedpoint I'd bet it'd be a screamer. Do you have any ground radials?
> Dave/kd6il

19158. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 21:18:20 UTC
From: Memwl
Topic: 19125 Message: 19158

Reminds me of the Roll-Out dipole, just roll out the Length you need.
Sounds Slick, I think I am going to try that.
Ke7sbe- MIke

>_____
>From: dean <deanf@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, August 9, 2011 7:38 AM
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>
>
>I have a friend who has an 80 M loop. He has two 1” long copper pipes attached to each end of the loop. In this case bottom right corner. He has a pair of battery cables attached to his coax and each frequency marked on the pipes. He just comes out of the shack and attach’s it to the frequency he wants to talk on then turns on his Henry amp and talks. No need for a tuner except for the initial tunning.
>
>WY6L
>
>From: daverickmers
>Sent: Tuesday, August 09, 2011 7:28 AM
>To: ham-antennas@yahoogroups.com
>Subject: [ham-antennas] Re: Random wire and counterpoise
>
>Have you considered a wire loop? They generally work better than end-fed wires at low elevations. They are wideband and easily matched across their useful bandwidth.
>
>Dave Rickmers/kd6il
>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>>
>> Don,
>>
>> Thanks for taking so much time to reply to my question. Lots of good information.
>>
>> In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
>>
>> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>>
>> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed

lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>>
>> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>>
>> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>>
>> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>>
>> More to follow in a few days and thanks to everyone for the suggestions.
>>
>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>> >
>> >
>> >
>> > Hi Will,
>> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
>> >
>> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
>> >
>> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
>> >
>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
>> >
>> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
>> >
>> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire

feeders or the large windowed twin lead.
>> >
>> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
>> >
>> > About the terminology:
>> > By antenna coupler, I mean what most folks call an antenna tuner.
>> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
>> >
>> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
>> >
>> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
>> >
>> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly
close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
>> >
>> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
>> >
>> > I look forward to hearing what sort of setup you settle on.
>> > 73, Don WN9V
>> >
>> >

>> > "Will" <engineer1@> wrote:
>> > >
>> > >
>> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
>> > >
>> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
>> > >
>> > > Thanks for any input:
>> > >
>> > > Will N7IPY
>> > >
>> >
>>
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

19159. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 21:57:28 UTC
From: dean
Topic: 19151 Message: 19159

A resonate antenna for 3.8 MHz would be 123.16 ft or 61.58 ft per side. I might be really confused but 3.8 to me means 80/75 meters not 40 meters.
WY6L
From: Dale H. Cole K8TS
Sent: Thursday, August 11, 2011 1:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] need quick answer

THAT'S the answer I was looking for Brian! Ron was good job trying to explain the operation, but I had forgot WHERE to cut it.......Thanks to you both!!

Dale K8TS

----- Original Message -----

From: "Brian Craig" <mailto:b.craig%40wildblue.net>
To: mailto:ham-antennas%40yahoogroups.com
Sent: Thursday, August 11, 2011 4:01:30 PM
Subject: Re: [ham-antennas] need quick answer

468/3.8 gives you the total length +- divide by 2 for each side roughly 20 meters per side.

Brian K6FTY

----- Original Message -----
From: Dale H. Cole K8TS
To: mailto:ham-antennas%40yahoogroups.com
Sent: Thursday, August 11, 2011 12:38 PM
Subject: Re: [ham-antennas] need quick answer

Thanks for the answer Ron.

I am having a stupid attact. The wire has been cut at a lenght of 40 meters. Is each leg 20 meters, or 40 meters for a resonate antenna for 3.8 (+/-) trimming

Dale

----- Original Message -----

From: "Ron Youvan" < mailto:ka4inm%40tampabay.rr.com >
To: mailto:ham-antennas%40yahoogroups.com
Sent: Thursday, August 11, 2011 2:51:38 PM
Subject: Re: [ham-antennas] need quick answer

Hi Dale H. Cole K8TS:

> am building inverted "V" for 3.8 meg.Â I have 40 meters of wire sunning its self right now.Â Do I

> need to make each leg 20 meters (~1/4) or do I need to have another 40 meters of wire additional for
> the other leg?
>
> Elementary question, but I forgot, and can't find a definitive answer in my wire antenna bookÂ

An inverted "V" antenna is simply a dipole with only one center support.
Because the ends are closer to the ground compared to a common dipole the capacity at the ends will
be greater so it will tune a bit lower in frequency depending on how low to the ground the ends are.

This is not a problem if you loop back 6' of wire at the end insulators and secure the loop with
a "split bolt" at the ends, then you can tune it from the ground. (by loosening the rope or cord)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19160. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-11 22:00:01 UTC
From: dean
Topic: 19125 Message: 19160

Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole I'll put up a OCF Carolina Windom for 160 – 10 meters.

WY6L

From: Memwl
Sent: Thursday, August 11, 2011 2:18 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Random wire and counterpoise

Reminds me of the Roll-Out dipole, just roll out the Length you need.
Sounds Slick, I think I am going to try that.
Ke7sbe- MIke

>_____
>From: dean <mailto:deanf%40sti.net>
>To: mailto:ham-antennas%40yahoogroups.com
>Sent: Tuesday, August 9, 2011 7:38 AM
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>
>
>I have a friend who has an 80 M loop. He has two 1" long copper pipes attached to each end of the loop. In this case bottom right corner. He has a pair of battery cables attached to his coax and each frequency marked on the pipes. He just comes out of the shack and attach's it to the frequency he wants to talk on then turns on his Henry amp and talks. No need for a tuner except for the initial tunning.
>
>WY6L
>
>From: daverickmers
>Sent: Tuesday, August 09, 2011 7:28 AM
>To: mailto:ham-antennas%40yahoogroups.com
>Subject: [ham-antennas] Re: Random wire and counterpoise
>
>Have you considered a wire loop? They generally work better than end-fed wires at low elevations. They are wideband and easily matched across their useful bandwidth.
>
>Dave Rickmers/kd6il
>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>>
>> Don,
>>
>> Thanks for taking so much time to reply to my question. Lots of good information.
>>
>> In reality I am working on 2 'Random' length antenna projects; one for portable use and

another for perminent use at home.
>>
>> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>>
>> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>>
>> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>>
>> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>>
>> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>>
>> More to follow in a few days and thanks to everyone for the suggestions.
>>
>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>> >
>> >
>> >
>> > Hi Will,
>> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
>> >
>> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
>> >
>> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
>> >
>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
>> >

>> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
>> >
>> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
>> >
>> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
>> >
>> > About the terminology:
>> > By antenna coupler, I mean what most folks call an antenna tuner.
>> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
>> >
>> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
>> >
>> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
>> >
>> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly
close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.

>> >
>> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
>> >
>> > I look forward to hearing what sort of setup you settle on.
>> > 73, Don WN9V
>> >
>> >
>> > "Will" <engineer1@> wrote:
>> > >
>> > >
>> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
>> > >
>> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
>> > >
>> > > Thanks for any input:
>> > >
>> > > Will N7IPY
>> > >
>> >
>>
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19161. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 02:29:03 UTC
From: Dale H. Cole K8TS
Topic: 19151 Message: 19161

I had measured the wire in meters instead of feet. I could not remember to cut in half (i.e. 20 meters each leg) or if the 40 meters made up one leg (i.e. 80 meter dipole uses 40 meters each leg) Never was very good at math, and add to that the complexity of high tech electronics, well once in a while it causes a short between the headphones :

Dale K8TS

----- Original Message -----

From: "dean" <deanf@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 11, 2011 5:57:28 PM
Subject: Re: [ham-antennas] need quick answer

A resonate antenna for 3.8 MHz would be 123.16 ft or 61.58 ft per side. I might be really confused but 3.8 to me means 80/75 meters not 40 meters.
WY6L
From: Dale H. Cole K8TS
Sent: Thursday, August 11, 2011 1:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] need quick answer

THAT'S the answer I was looking for Brian! Ron was good job trying to explain the operation, but I had forgot WHERE to cut it.......Thanks to you both!!

Dale K8TS

----- Original Message -----

From: "Brian Craig" <mailto:b.craig%40wildblue.net>
To: mailto:ham-antennas%40yahoogroups.com
Sent: Thursday, August 11, 2011 4:01:30 PM
Subject: Re: [ham-antennas] need quick answer

468/3.8 gives you the total length +- divide by 2 for each side roughly 20 meters per side.

Brian K6FTY

----- Original Message -----
From: Dale H. Cole K8TS
To: mailto:ham-antennas%40yahoogroups.com
Sent: Thursday, August 11, 2011 12:38 PM
Subject: Re: [ham-antennas] need quick answer

Thanks for the answer Ron.

I am having a stupid attact. The wire has been cut at a lenght of 40 meters. Is each leg 20 meters, or 40 meters for a resonate antenna for 3.8 (+/-) trimming

Dale

----- Original Message -----

From: "Ron Youvan" < mailto:ka4inm%40tampabay.rr.com >
To: mailto:ham-antennas%40yahoogroups.com
Sent: Thursday, August 11, 2011 2:51:38 PM
Subject: Re: [ham-antennas] need quick answer

Hi Dale H. Cole K8TS:

> am building inverted "V" for 3.8 meg.Â I have 40 meters of wire sunning its self right now.Â Do I
> need to make each leg 20 meters (~1/4) or do I need to have another 40 meters of wire additional for
> the other leg?
>
> Elementary question, but I forgot, and can't find a definitive answer in my wire antenna bookÂ

An inverted "V" antenna is simply a dipole with only one center support.
Because the ends are closer to the ground compared to a common dipole the capacity at the ends will
be greater so it will tune a bit lower in frequency depending on how low to the ground the ends are.

This is not a problem if you loop back 6' of wire at the end insulators and secure the loop with
a "split bolt" at the ends, then you can tune it from the ground. (by loosening the rope or cord)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19162. Re: Copper vs stainless steel

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 02:43:28 UTC
From: Steve Balliette
Topic: 19140 Message: 19162

Thanks for the information.

Steve
Sent from my iPhone

19163. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 02:51:48 UTC
From: Memwl
Topic: 19125 Message: 19163

OCF Carolina Windom for 160 – 10 meters.

I have read a lot on this type antenna.
I have so much to learn about different types of wire antennas.
I want to try as many types that my back yard will hold, I have no restrictions except I have no trees, getting them in the air is my problem, I say a military type fiberglass support pole but is only
30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at this time.
My house is only 25 ft at the highest point. and very accessible, just the air conditioning unit is quite close
 Maybe a tripod would work on top of the house with 15ft fiberglass pole to get that height and away from the AC unit
Any suggestions would be appreciated., Interested in 20 and 40 meters. What is the optimal height I should shoot for;

I have read that you don't have to be a wave length above ground. as low as 11 feet for 20 meters.
Correct me if I am wrong

ke7sbe
Mike

>_____
>From: dean <deanf@...>
>To: ham-antennas@yahoogroups.com
>Sent: Thursday, August 11, 2011 3:00 PM
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>
>
>Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole I'll put up a OCF Carolina Windom for 160 – 10 meters.
>
>WY6L
>
>From: Memwl
>Sent: Thursday, August 11, 2011 2:18 PM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>Reminds me of the Roll-Out dipole, just roll out the Length you need.
>Sounds Slick, I think I am going to try that.
>Ke7sbe- MIke
>
>>_____
>>From: dean <mailto:deanf%40sti.net>

>>To: mailto:ham-antennas%40yahoogroups.com
>>Sent: Tuesday, August 9, 2011 7:38 AM
>>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>
>>
>>
>>I have a friend who has an 80 M loop. He has two 1” long copper pipes attached to each end of the loop. In this case bottom right corner. He has a pair of battery cables attached to his coax and each frequency marked on the pipes. He just comes out of the shack and attach’s it to the frequency he wants to talk on then turns on his Henry amp and talks. No need for a tuner except for the initial tunning.
>>
>>WY6L
>>
>>From: daverickmers
>>Sent: Tuesday, August 09, 2011 7:28 AM
>>To: mailto:ham-antennas%40yahoogroups.com
>>Subject: [ham-antennas] Re: Random wire and counterpoise
>>
>>Have you considered a wire loop? They generally work better than end-fed wires at low elevations. They are wideband and easily matched across their useful bandwidth.
>>
>>Dave Rickmers/kd6il
>>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>>>
>>> Don,
>>>
>>> Thanks for taking so much time to reply to my question. Lots of good information.
>>>
>>> In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
>>>
>>> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>>>
>>> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>>>
>>> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>>>

>>> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>>>
>>> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>>>
>>> More to follow in a few days and thanks to everyone for the suggestions.
>>>
>>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>>> >
>>> >
>>> >
>>> > Hi Will,
>>> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
>>> >
>>> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
>>> >
>>> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
>>> >
>>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
>>> >
>>> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
>>> >
>>> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
>>> >
>>> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
>>> >
>>> > About the terminology:

>>> > By antenna coupler, I mean what most folks call an antenna tuner.
>>> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
>>> >
>>> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
>>> >
>>> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
>>> >
>>> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly
>close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
>>> >
>>> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
>>> >
>>> > I look forward to hearing what sort of setup you settle on.
>>> > 73, Don WN9V
>>> >
>>> >
>>> > "Will" <engineer1@> wrote:
>>> > >
>>> > >
>>> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
>>> > >
>>> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?

>>> > >
>>> > > Thanks for any input:
>>> > >
>>> > > Will N7IPY
>>> > >
>>> >
>>>
>>
>>[Non-text portions of this message have been removed]
>>
>>
>>
>>
>>
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

19164. RE: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 03:15:38 UTC
From: Richard Schmuke
Topic: 19125 Message: 19164

You can check out my tilt over at the link below
http://s1102.photobucket.com/albums/g453/KD0ZZ/

The tall system is about 40 ft and requires no welding. The 2x3 was cut at the store when I picked it up, cutting was only a dollar.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Memwl
Sent: Thursday, August 11, 2011 9:52 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Random wire and counterpoise

OCF Carolina Windom for 160 – 10 meters.

I have read a lot on this type antenna.
I have so much to learn about different types of wire antennas.
I want to try as many types that my back yard will hold, I have no restrictions except I have no trees, getting them in the air is my problem, I say a military type fiberglass support pole but is only
30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at this time.
My house is only 25 ft at the highest point. and very accessible, just the air conditioning unit is quite close
Maybe a tripod would work on top of the house with 15ft fiberglass pole to get that height and away from the AC unit
Any suggestions would be appreciated., Interested in 20 and 40 meters. What is the optimal height I should shoot for;

I have read that you don't have to be a wave length above ground. as low as 11 feet for 20 meters.
Correct me if I am wrong

ke7sbe
Mike

>_____
>From: dean <deanf@... <mailto:deanf%40sti.net> >
>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>Sent: Thursday, August 11, 2011 3:00 PM
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>
>
>Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole I’ll put up a OCF

Carolina Windom for 160 – 10 meters.
>
>WY6L
>
>From: Memwl
>Sent: Thursday, August 11, 2011 2:18 PM
>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>Reminds me of the Roll-Out dipole, just roll out the Length you need.
>Sounds Slick, I think I am going to try that.
>Ke7sbe- MIke
>
>>_____
>>From: dean <mailto:deanf%40sti.net>
>>To: mailto:ham-antennas%40yahoogroups.com
>>Sent: Tuesday, August 9, 2011 7:38 AM
>>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>
>>
>>
>>I have a friend who has an 80 M loop. He has two 1” long copper pipes attached to each end of the loop. In this case bottom right corner. He has a pair of battery cables attached to his coax and each frequency marked on the pipes. He just comes out of the shack and attach’s it to the frequency he wants to talk on then turns on his Henry amp and talks. No need for a tuner except for the initial tunning.
>>
>>WY6L
>>
>>From: daverickmers
>>Sent: Tuesday, August 09, 2011 7:28 AM
>>To: mailto:ham-antennas%40yahoogroups.com
>>Subject: [ham-antennas] Re: Random wire and counterpoise
>>
>>Have you considered a wire loop? They generally work better than end-fed wires at low elevations. They are wideband and easily matched across their useful bandwidth.
>>
>>Dave Rickmers/kd6il
>>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>>>
>>> Don,
>>>
>>> Thanks for taking so much time to reply to my question. Lots of good information.
>>>
>>> In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
>>>
>>> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>>>

>>> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>>>
>>> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>>>
>>> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>>>
>>> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>>>
>>> More to follow in a few days and thanks to everyone for the suggestions.
>>>
>>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>>> >
>>> >
>>> >
>>> > Hi Will,
>>> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
>>> >
>>> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
>>> >
>>> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
>>> >
>>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
>>> >
>>> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
>>> >

>>> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
>>> >
>>> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
>>> >
>>> > About the terminology:
>>> > By antenna coupler, I mean what most folks call an antenna tuner.
>>> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
>>> >
>>> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
>>> >
>>> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
>>> >
>>> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly
>close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
>>> >
>>> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.

>>> >
>>> > I look forward to hearing what sort of setup you settle on.
>>> > 73, Don WN9V
>>> >
>>> >
>>> > "Will" <engineer1@> wrote:
>>> > >
>>> > >
>>> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
>>> > >
>>> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
>>> > >
>>> > > Thanks for any input:
>>> > >
>>> > > Will N7IPY
>>> > >
>>> >
>>>
>>
>>[Non-text portions of this message have been removed]
>>
>>
>>
>>
>>
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19165. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 03:39:42 UTC
From: dean
Topic: 19125 Message: 19165

I went to several web sites on the OCF Carolina Windom.

http://hamcall.net/7bandocf.html

I only visited the one above tonight. I believe you'd want it at least 40 ft. in the air. My inverted V is about 45 ft., its just under my beam antenna.

You could just put up a pole and guy it with a pulley at the top with lots of rope thru the pulley for hauling up the antenna.

I'm like you I have a lot of property but no trees close to the house. Most of my trees are a lot lower than my house. I live in the mountains. Now if I could just talk the wife into letting me put up some poles in the front yard

I'd love to put up a loop but not enough poles to hold it up in the air high enough.

WY6L

From: Memwl
Sent: Thursday, August 11, 2011 7:51 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Random wire and counterpoise

OCF Carolina Windom for 160 – 10 meters.

I have read a lot on this type antenna.
I have so much to learn about different types of wire antennas.
I want to try as many types that my back yard will hold, I have no restrictions except I have no trees, getting them in the air is my problem, I say a military type fiberglass support pole but is only
30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at this time.
My house is only 25 ft at the highest point. and very accessible, just the air conditioning unit is quite close
Maybe a tripod would work on top of the house with 15ft fiberglass pole to get that height and away from the AC unit
Any suggestions would be appreciated., Interested in 20 and 40 meters. What is the optimal height I should shoot for;

I have read that you don't have to be a wave length above ground. as low as 11 feet for 20 meters.
Correct me if I am wrong

ke7sbe
Mike

>_____
>From: dean <mailto:deanf%40sti.net>
>To: mailto:ham-antennas%40yahoogroups.com

>Sent: Thursday, August 11, 2011 3:00 PM
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>
>
>Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole I'll put up a OCF Carolina Windom for 160 – 10 meters.
>
>WY6L
>
>From: Memwl
>Sent: Thursday, August 11, 2011 2:18 PM
>To: mailto:ham-antennas%40yahoogroups.com
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>Reminds me of the Roll-Out dipole, just roll out the Length you need.
>Sounds Slick, I think I am going to try that.
>Ke7sbe- MIke
>
>>_____
>>From: dean <mailto:deanf%40sti.net>
>>To: mailto:ham-antennas%40yahoogroups.com
>>Sent: Tuesday, August 9, 2011 7:38 AM
>>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>
>>
>>
>>I have a friend who has an 80 M loop. He has two 1" long copper pipes attached to each end of the loop. In this case bottom right corner. He has a pair of battery cables attached to his coax and each frequency marked on the pipes. He just comes out of the shack and attach's it to the frequency he wants to talk on then turns on his Henry amp and talks. No need for a tuner except for the initial tunning.
>>
>>WY6L
>>
>>From: daverickmers
>>Sent: Tuesday, August 09, 2011 7:28 AM
>>To: mailto:ham-antennas%40yahoogroups.com
>>Subject: [ham-antennas] Re: Random wire and counterpoise
>>
>>Have you considered a wire loop? They generally work better than end-fed wires at low elevations. They are wideband and easily matched across their useful bandwidth.
>>
>>Dave Rickmers/kd6il
>>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>>>
>>> Don,
>>>
>>> Thanks for taking so much time to reply to my question. Lots of good information.
>>>

>>> In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
>>>
>>> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>>>
>>> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>>>
>>> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>>>
>>> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>>>
>>> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>>>
>>> More to follow in a few days and thanks to everyone for the suggestions.
>>>
>>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>>> >
>>> >
>>> >
>>> > Hi Will,
>>> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
>>> >
>>> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
>>> >
>>> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
>>> >
>>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type

multiband dipole will work OR,
>>> >
>>> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
>>> >
>>> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
>>> >
>>> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
>>> >
>>> > About the terminology:
>>> > By antenna coupler, I mean what most folks call an antenna tuner.
>>> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
>>> >
>>> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
>>> >
>>> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
>>> >
>>> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly
>close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that

locates the radiating portions of the antenna away from the station.
>>> >
>>> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
>>> >
>>> > I look forward to hearing what sort of setup you settle on.
>>> > 73, Don WN9V
>>> >
>>> >
>>> > "Will" <engineer1@> wrote:
>>> > >
>>> > >
>>> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
>>> > >
>>> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
>>> > >
>>> > > Thanks for any input:
>>> > >
>>> > > Will N7IPY
>>> > >
>>> >
>>>
>>
>>[Non-text portions of this message have been removed]
>>
>>
>>
>>
>>
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19166. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 03:44:18 UTC
From: Memwl
Topic: 19125 Message: 19166

You have some nice things on there, I especially like the 2 band Dipole
I would like to know more about how that design works.

>_____
>From: Richard Schmuke <rdj@...>
>To: ham-antennas@yahoogroups.com
>Sent: Thursday, August 11, 2011 8:15 PM
>Subject: RE: [ham-antennas] Re: Random wire and counterpoise
>
>
>
>You can check out my tilt over at the link below http://s1102.photobucket.com/albums/g453/KD0ZZ/
>
>The tall system is about 40 ft and requires no welding. The 2x3 was cut at the store when I picked it up, cutting was only a dollar.
>
>Rich ,KDØZZ , ☺
>
>from the middle of Missouri , out in the sticks with the hicks and the ticks.
>
>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Memwl
>Sent: Thursday, August 11, 2011 9:52 PM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>OCF Carolina Windom for 160 – 10 meters.
>
>I have read a lot on this type antenna.
>I have so much to learn about different types of wire antennas.
>I want to try as many types that my back yard will hold, I have no restrictions except
>I have no trees, getting them in the air is my problem, I say a military type fiberglass support pole but is only
>30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at this time.
>My house is only 25 ft at the highest point. and very accessible, just the air conditioning unit is quite close
>Maybe a tripod would work on top of the house with 15ft fiberglass pole to get that height and away from the AC unit
>Any suggestions would be appreciated., Interested in 20 and 40 meters. What is the optimal height I should shoot for;
>
>I have read that you don't have to be a wave length above ground. as low as 11 feet for 20 meters.
>Correct me if I am wrong
>
>ke7sbe
>Mike
>
>>_____
>>From: dean <deanf@... <mailto:deanf%40sti.net> >

>>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>>Sent: Thursday, August 11, 2011 3:00 PM
>>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>
>>
>>
>>Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole I'll put up a OCF Carolina Windom for 160 – 10 meters.
>>
>>WY6L
>>
>>From: Memwl
>>Sent: Thursday, August 11, 2011 2:18 PM
>>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>
>>Reminds me of the Roll-Out dipole, just roll out the Length you need.
>>Sounds Slick, I think I am going to try that.
>>Ke7sbe- MIke
>>
>>>_____
>>>From: dean <mailto:deanf%40sti.net>
>>>To: mailto:ham-antennas%40yahoogroups.com
>>>Sent: Tuesday, August 9, 2011 7:38 AM
>>>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>>
>>>
>>>
>>>I have a friend who has an 80 M loop. He has two 1" long copper pipes attached to each end of the loop. In this case bottom right corner. He has a pair of battery cables attached to his coax and each frequency marked on the pipes. He just comes out of the shack and attach's it to the frequency he wants to talk on then turns on his Henry amp and talks. No need for a tuner except for the initial tunning.
>>>
>>>WY6L
>>>
>>>From: daverickmers
>>>Sent: Tuesday, August 09, 2011 7:28 AM
>>>To: mailto:ham-antennas%40yahoogroups.com
>>>Subject: [ham-antennas] Re: Random wire and counterpoise
>>>
>>>Have you considered a wire loop? They generally work better than end-fed wires at low elevations. They are wideband and easily matched across their useful bandwidth.
>>>
>>>Dave Rickmers/kd6il
>>>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>>>>
>>>> Don,
>>>>
>>>> Thanks for taking so much time to reply to my question. Lots of good information.

>>>>
>>>> In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
>>>>
>>>> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>>>>
>>>> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>>>>
>>>> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>>>>
>>>> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>>>>
>>>> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>>>>
>>>> More to follow in a few days and thanks to everyone for the suggestions.
>>>>
>>>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>>>> >
>>>> >
>>>> >
>>>> > Hi Will,
>>>> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
>>>> >
>>>> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
>>>> >
>>>> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
>>>> >
>>>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
>>>> >
>>>> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it

look like 50 Ohms on the transceiver side.
>>>> >
>>>> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
>>>> >
>>>> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
>>>> >
>>>> > About the terminology:
>>>> > By antenna coupler, I mean what most folks call an antenna tuner.
>>>> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
>>>> >
>>>> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
>>>> >
>>>> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
>>>> >
>>>> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly
>>close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
>>>> >
>>>> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
>>>> >
>>>> > I look forward to hearing what sort of setup you settle on.
>>>> > 73, Don WN9V
>>>> >
>>>> >

>>>> > "Will" <engineer1@> wrote:
>>>> > >
>>>> > >
>>>> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
>>>> > >
>>>> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
>>>> > >
>>>> > > Thanks for any input:
>>>> > >
>>>> > > Will N7IPY
>>>> > >
>>>> >
>>>>
>>>
>>>[Non-text portions of this message have been removed]
>>>
>>>
>>>
>>>
>>>
>>
>>[Non-text portions of this message have been removed]
>>
>>[Non-text portions of this message have been removed]
>>
>>
>>
>>
>>
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

19167. AW: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 11:49:54 UTC
From: Siegfried Jackstien
Topic: 19151 Message: 19167

You have just to remember :
A standard dipole is formerly known as HALFWAVE DIPOLE
So 3.5-3.8 >>> 80m BAND >>> 40m DIPOLE >>> 20m each LEG ....
The leg is a QUARTERWAVE length
Greetz
Sigi
Dg9bfc

Ps rule of thump 300 divided by mhz = meters

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dale H. Cole K8TS
> Gesendet: Freitag, 12. August 2011 02:29
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] need quick answer
>
>
>
>
>
> I had measured the wire in meters instead of feet. I could not remember
> to cut in half (i.e. 20 meters each leg) or if the 40 meters made up one
> leg (i.e. 80 meter dipole uses 40 meters each leg) Never was very good at
> math, and add to that the complexity of high tech electronics, well once
> in a while it causes a short between the headphones :
>
> Dale K8TS
>
> ----- Original Message -----
>
> From: "dean" <deanf@... <mailto:deanf%40sti.net> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, August 11, 2011 5:57:28 PM
> Subject: Re: [ham-antennas] need quick answer
>
>
>
>
> A resonate antenna for 3.8 MHz would be 123.16 ft or 61.58 ft per side. I
> might be really confused but 3.8 to me means 80/75 meters not 40 meters.
> WY6L
> From: Dale H. Cole K8TS
> Sent: Thursday, August 11, 2011 1:20 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] need quick answer

>
> THAT'S the answer I was looking for Brian! Ron was good job trying to
> explain the operation, but I had forgot WHERE to cut it.......Thanks to
> you both!!
>
> Dale K8TS
>
> ----- Original Message -----
>
> From: "Brian Craig" <mailto:b.craig%40wildblue.net>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Thursday, August 11, 2011 4:01:30 PM
> Subject: Re: [ham-antennas] need quick answer
>
> 468/3.8 gives you the total length +- divide by 2 for each side roughly 20
> meters per side.
>
> Brian K6FTY
>
> ----- Original Message -----
> From: Dale H. Cole K8TS
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Thursday, August 11, 2011 12:38 PM
> Subject: Re: [ham-antennas] need quick answer
>
> Thanks for the answer Ron.
>
> I am having a stupid attact. The wire has been cut at a lenght of 40
> meters. Is each leg 20 meters, or 40 meters for a resonate antenna for 3.8
> (+/-) trimming
>
> Dale
>
> ----- Original Message -----
>
> From: "Ron Youvan" < mailto:ka4inm%40tampabay.rr.com >
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Thursday, August 11, 2011 2:51:38 PM
> Subject: Re: [ham-antennas] need quick answer
>
> Hi Dale H. Cole K8TS:
>
> > am building inverted "V" for 3.8 meg.Â I have 40 meters of wire sunning
> its self right now.Â Do I
> > need to make each leg 20 meters (~1/4) or do I need to have another 40
> meters of wire additional for
> > the other leg?
> >
> > Elementary question, but I forgot, and can't find a definitive answer in
> my wire antenna bookÂ

>
> An inverted "V" antenna is simply a dipole with only one center support.
> Because the ends are closer to the ground compared to a common dipole the
> capacity at the ends will
> be greater so it will tune a bit lower in frequency depending on how low
> to the ground the ends are.
>
> This is not a problem if you loop back 6' of wire at the end insulators
> and secure the loop with
> a "split bolt" at the ends, then you can tune it from the ground. (by
> loosening the rope or cord)
> --
> Ron KA4INM - I've been carving my initials on trees and furniture all my
> life
> 'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

19168. AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 11:58:01 UTC
From: Siegfried Jackstien
Topic: 19125 Message: 19168

A horizontal dipole for 40 has to be high up in the air (min 60 feet) to show a low elevation angle... but if you make a fullzize loop for TOPBAND ... it will even work if it is only 40 to 50 feet high ....
If the loop is very big (and topband loop is big on 40m band!) the elevation angle goes down ....
The effect is a bit like on a longwire ... when fed on higher band and you have more wavelengths on that wire the lobes go more in the direction of the wire instead of 90 degrees like in a dipole

I havw my topband loop only 30-40 feet up ... so I would say : give it a try if you have the room for it
Feed it with ladderline and you have a real multibander with low loss and high gain :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Freitag, 12. August 2011 03:40
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> I went to several web sites on the OCF Carolina Windom.
>
> http://hamcall.net/7bandocf.html
>
> I only visited the one above tonight. I believe you□d want it at least 40
> ft. in the air. My inverted V is about 45 ft., its just under my beam
> antenna.
>
> You could just put up a pole and guy it with a pulley at the top with lots
> of rope thru the pulley for hauling up the antenna.
>
> I□m like you I have a lot of property but no trees close to the house.
> Most of my trees are a lot lower than my house. I live in the mountains.
> Now if I could just talk the wife into letting me put up some poles in the
> front yard
>
> I□d love to put up a loop but not enough poles to hold it up in the air
> high enough.
>
> WY6L

>
> From: Memwl
> Sent: Thursday, August 11, 2011 7:51 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
> OCF Carolina Windom for 160 ☐ 10 meters.
>
> I have read a lot on this type antenna.
> I have so much to learn about different types of wire antennas.
> I want to try as many types that my back yard will hold, I have no
> restrictions except
> I have no trees, getting them in the air is my problem, I say a military
> type fiberglass support pole but is only
> 30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at
> this time.
> My house is only 25 ft at the highest point. and very accessible, just the
> air conditioning unit is quite close
> Maybe a tripod would work on top of the house with 15ft fiberglass pole to
> get that height and away from the AC unit
> Any suggestions would be appreciated., Interested in 20 and 40 meters.
> What is the optimal height I should shoot for;
>
> I have read that you don't have to be a wave length above ground. as low
> as 11 feet for 20 meters.
> Correct me if I am wrong
>
> ke7sbe
> Mike
>
> >_____
> >From: dean <mailto:deanf%40sti.net>
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Thursday, August 11, 2011 3:00 PM
> >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> >
> >Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole
> I☐ll put up a OCF Carolina Windom for 160 ☐ 10 meters.
> >
> >WY6L
> >
> >From: Memwl
> >Sent: Thursday, August 11, 2011 2:18 PM
> >To: mailto:ham-antennas%40yahoogroups.com
> >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> >Reminds me of the Roll-Out dipole, just roll out the Length you need.

> >Sounds Slick, I think I am going to try that.
> >Ke7sbe- MIke
> >
> >>_____
> >>From: dean <mailto:deanf%40sti.net>
> >>To: mailto:ham-antennas%40yahoogroups.com
> >>Sent: Tuesday, August 9, 2011 7:38 AM
> >>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> >>
> >>
> >>
> >>I have a friend who has an 80 M loop. He has two 1☐ long copper pipes
> attached to each end of the loop. In this case bottom right corner. He has
> a pair of battery cables attached to his coax and each frequency marked on
> the pipes. He just comes out of the shack and attach☐s it to the frequency
> he wants to talk on then turns on his Henry amp and talks. No need for a
> tuner except for the initial tunning.
> >>
> >>WY6L
> >>
> >>From: daverickmers
> >>Sent: Tuesday, August 09, 2011 7:28 AM
> >>To: mailto:ham-antennas%40yahoogroups.com
> >>Subject: [ham-antennas] Re: Random wire and counterpoise
> >>
> >>Have you considered a wire loop? They generally work better than end-fed
> wires at low elevations. They are wideband and easily matched across their
> useful bandwidth.
> >>
> >>Dave Rickmers/kd6il
> >>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...>
> wrote:
> >>>
> >>> Don,
> >>>
> >>> Thanks for taking so much time to reply to my question. Lots of good
> information.
> >>>
> >>> In reality I am working on 2 'Random' length antenna projects; one for
> portable use and another for perminent use at home.
> >>>
> >>> In reasurching Random length antennas, I read that it was best to use
> a non resonant length of wire, and found a chart that suggested a number
> of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think)
> were 2 I was thing of using.
> >>>
> >>> I use a number LDG auto tuners on all my antenna projects needing a
> tuner so was thinking of using a small 4:1 balan between the tuner and the
> wire antenna and then the tuner to the FT-817 as a portable solution.

> Using small sections of LMR-200 or RG58 as feed lines. I was not sure what
> to use as the counterpoise was all. I will be visiting with my parents
> soon and they live in the foothills and was going to bring my FT-817 and
> some antenna ideas to experiment with (I'll bring the MP-1 just incase the
> wire ideas fail in the field) Out where they live the RF noise level is
> much lower than at home in the burbs'.
> >>>
> >>> The home antenna is also a problem. I live in an antenna unfriendly
> neighborhood so I need to keep wires and structures out of sight from the
> street view. The back yard is large for this area but is to small for long
> random length antennas. The metal gutters messed up my ideas of wrapping a
> random length wire antenna around the house. This is the price I paied for
> a short commute to and from work I guess.
> >>>
> >>> Anyway tonight I hope to be stringing up the 84ish foot wire in a
> modified inverted L configuration and attaching a few tuned radials to
> test with. I will then see if the LDG100Pro can tune it or not.
> >>>
> >>> I am also slowly building a MagLoop that should work between 30M - 15M
> but have not had time to finish it as I have been working on a few after
> hour paying design projects, currently working on the Vac Variable Cap
> support structure.
> >>>
> >>> More to follow in a few days and thanks to everyone for the
> suggestions.
> >>>
> >>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@>
> wrote:
> >>> >
> >>> >
> >>> >
> >>> > Hi Will,
> >>> > Let's call it a random wire. "Long wire" implies a gain type wire
> antenna that is so long that it is multiple wavelengths and the signal
> radiating from some parts of the wire reinforce that from other parts of
> the wire, accomplishing gain.
> >>> >
> >>> > I am assuming you are going to do without feedline and just hook the
> antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm
> impedance antennna, so for multiband use, unless you add an antenna
> coupler between the transceiver and the antenna, your random wire antenna
> might cover only 2 bands if you are lucky.
> >>> >
> >>> > To explain further, your transceiver needs to see a 50 Ohm antenna
> system. That can be :
> >>> >
> >>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms
> to the transceiver. A single band doublet or a fan type multiband dipole
> will work or a trap type multiband dipole will work OR,

> >>> >
> >>> > [2] you can put an antenna coupler between the transceiver and the
> feedline. The antenna coupler,, when adjusted right and when operating
> within its design parameters will transform what it sees on its antenna
> side to make it look like 50 Ohms on the transceiver side.
> >>> >
> >>> > In case number [2] above, the feedline between the coupler and the
> random wire antenna will have significant losses on bands where the
> antenna itself does not match the impedance of the feedline. This is true
> unless the feedline is either very short or it is a type that has really
> low losses even when mismatched. Examples of low loss feedlines are open
> wire feeders or the large windowed twin lead.
> >>> >
> >>> > To get back to your question, If you start with the counterpoise of
> equal length to the wire you have already cut, and put it at equal
> altitude, it would make a doublet that is resonant near 7 MHz and it will
> be easy for your coupler to match. You would want to shorten both wires a
> little if you intend to use it on 40 meters without adding an antenna
> coupler. If the counterpoise is in the grass, you will have to shorten the
> counterpoise even further to make it resonant at the same frequency as
> your elevated antenna hot wire.
> >>> >
> >>> > About the terminology:
> >>> > By antenna coupler, I mean what most folks call an antenna tuner.
> >>> > These come in various flavors and some are specialized for use with
> the low loss balanced line (called open wire feeders, ladder line, or twin
> lead)
> >>> >
> >>> > Here is what a fairly versatile fixed station setup would be for
> multiband operation: Your transceiver, then a short coax cable to a link
> coupled balanced antenna coupler, then balanced feedline to the center of
> a 133 foot long doublet. The coupler could be any of the Z-match type
> antenna couplers that are available as kits. Expect coverage on all HF
> bands, 80 through 10. Be prepared to trim some length off of your balanced
> feeder if there is a favorite band that is difficult for your antenna
> coupler to match. And no counterpoise is necessary.
> >>> >
> >>> > I would encourage you to consider building your antenna coupler from
> parts or a kit. Further, if you purchase some ceramic insulators and some
> flexible wire, (even #18 speaker wire will do for a temporary experiment),
> add some windowed twin lead, and you can build an antenna system that will
> deliver more performance per dollar than a purchased wire antenna.
> >>> >
> >>> > If you want to keep the portable station antenna system simple, the
> elevated random wire plus a slightly shorter counterpoise in the grass can
> serve the purpose. If you build a L type antenna coupler and simply hook
> your antenna wire directly to the coupler (and the counterpoise directly
> to the coupler chassis) you should be able to adjust the L network to
> accomplish a 50 Ohm load to keep the transciever happy. The L network is

> simple, has no ambiguous multiple settings that might be correct, and
> handles an extreme range of impedances. The tuning of the L network will
> be sharp. If you have no luck accomplishing a match, reverse the network
> so it is transforming in the opposite direction as before. High to low
> versus low to high impedance. Or, if your antenna plus counterpoise
> happens to be very close to 50 Ohms, just take the coupler out of the
> circuit. An antenna system without a feedline, such as the one just
> described, is radiating RF fairly
> >close to the transceiver and sometimes is troubled with RF in the shack.
> For an at-home antenna system, you can avoid the RF in the shack by having
> a system with a feedline that locates the radiating portions of the
> antenna away from the station.
> >>> >
> >>> > To answer your question regarding multiple counterpoises, one per
> band is effective in keeping the station from having RF on the mic, key,
> and radio chassis. be sure to insulate the far end of the quarter wave
> counterpoises. Expect the counterpoises to carry RF current and to
> radiate. Take that into account when locating them.
> >>> >
> >>> > I look forward to hearing what sort of setup you settle on.
> >>> > 73, Don WN9V
> >>> >
> >>> >
> >>> > "Will" <engineer1@> wrote:
> >>> > >
> >>> > >
> >>> > > I have cut a length of wire to 35.5 Feet for uses as a non-
> resonant long wire antenna for portable use with my FT-817.
> >>> > >
> >>> > > What length should I use for the counterpoise that will lie on the
> ground? Should it be the same length of should I cut one that is resonant
> at each band I am going to operate on?
> >>> > >
> >>> > > Thanks for any input:
> >>> > >
> >>> > > Will N7IPY
> >>> > >
> >>> >
> >>>
> >>
> >>[Non-text portions of this message have been removed]
> >>
> >>
> >>
> >>
> >>
> >
> >[Non-text portions of this message have been removed]
> >

> >[Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

19169. RE: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 12:02:37 UTC
From: Richard Schmuke
Topic: 19125 Message: 19169

I suppose you mean 5 band dipole. You can check out “fan” on the net. there are several. Some people say you need to have the ends several feet apart. Well you don’t! The problem you have with the wires close is that a higher frequency wire (short) will interact with a lower frequency (longer). That antenna was made for 75,40,20,17 and 10. The spacers are made from sections of PVC conduit drilled for the wire. Upper wire is 14ga copper-weld and the others just 14ga solid. The 75 was cut by the book but the rest of the wires you need to start a little long and trim to the desired frequency because of the interaction. The antenna is still in use today at Kc0ziu’s place. This was made about 4 years ago, now replaced by a 80M multi band loop and a 135ft doublet.

Rich , KdØzz , ☺

My wife complains I mess with stuff too much but I have a "tinkering virus"

Rich , Kd0zz

You have some nice things on there, I especially like the 2 band Dipole
I would like to know more about how that design works.

>_____
>From: Richard Schmuke <rdj@... <mailto:rdj%40wildblue.net> >
>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>Sent: Thursday, August 11, 2011 8:15 PM
>Subject: RE: [ham-antennas] Re: Random wire and counterpoise
>
>
>
>You can check out my tilt over at the link below http://s1102.photobucket.com/albums/g453/KD0ZZ/
>
>The tall system is about 40 ft and requires no welding. The 2x3 was cut at the store when I picked it up, cutting was only a dollar.
>
>Rich ,KDØZZ , ☺
>
>from the middle of Missouri , out in the sticks with the hicks and the ticks.
>
>From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Memwl
>Sent: Thursday, August 11, 2011 9:52 PM
>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
>OCF Carolina Windom for 160 – 10 meters.
>
>I have read a lot on this type antenna.

>I have so much to learn about different types of wire antennas.
>I want to try as many types that my back yard will hold, I have no restrictions except
>I have no trees, getting them in the air is my problem, I say a military type fiberglass support pole but is only
>30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at this time.
>My house is only 25 ft at the highest point. and very accessible, just the air conditioning unit is quite close
>Maybe a tripod would work on top of the house with 15ft fiberglass pole to get that height and away from the AC unit
>Any suggestions would be appreciated., Interested in 20 and 40 meters. What is the optimal height I should shoot for;
>
>I have read that you don't have to be a wave length above ground. as low as 11 feet for 20 meters.
>Correct me if I am wrong
>
>ke7sbe
>Mike
>
>>_____
>>From: dean <deanf@... <mailto:deanf%40sti.net> <mailto:deanf%40sti.net> >
>>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
>>Sent: Thursday, August 11, 2011 3:00 PM
>>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>
>>
>>
>>Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole I'll put up a OCF Carolina Windom for 160 – 10 meters.
>>
>>WY6L
>>
>>From: Memwl
>>Sent: Thursday, August 11, 2011 2:18 PM
>>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
>>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>
>>Reminds me of the Roll-Out dipole, just roll out the Length you need.
>>Sounds Slick, I think I am going to try that.
>>Ke7sbe- MIke
>>
>>>_____
>>>From: dean <mailto:deanf%40sti.net>
>>>To: mailto:ham-antennas%40yahoogroups.com
>>>Sent: Tuesday, August 9, 2011 7:38 AM
>>>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>>>
>>>
>>>
>>>I have a friend who has an 80 M loop. He has two 1" long copper pipes attached to each end of the loop. In this case bottom right corner. He has a pair of battery cables attached to his coax and each frequency marked on the pipes. He just comes out of the shack and attach's it to the frequency he wants to talk on then turns on his Henry amp and

talks. No need for a tuner except for the initial tunning.
>>>
>>>WY6L
>>>
>>>From: daverickmers
>>>Sent: Tuesday, August 09, 2011 7:28 AM
>>>To: mailto:ham-antennas%40yahoogroups.com
>>>Subject: [ham-antennas] Re: Random wire and counterpoise
>>>
>>>Have you considered a wire loop? They generally work better than end-fed wires at low elevations. They are wideband and easily matched across their useful bandwidth.
>>>
>>>Dave Rickmers/kd6il
>>>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...> wrote:
>>>>
>>>> Don,
>>>>
>>>> Thanks for taking so much time to reply to my question. Lots of good information.
>>>>
>>>> In reality I am working on 2 'Random' length antenna projects; one for portable use and another for perminent use at home.
>>>>
>>>> In reasurching Random length antennas, I read that it was best to use a non resonant length of wire, and found a chart that suggested a number of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think) were 2 I was thing of using.
>>>>
>>>> I use a number LDG auto tuners on all my antenna projects needing a tuner so was thinking of using a small 4:1 balan between the tuner and the wire antenna and then the tuner to the FT-817 as a portable solution. Using small sections of LMR-200 or RG58 as feed lines. I was not sure what to use as the counterpoise was all. I will be visiting with my parents soon and they live in the foothills and was going to bring my FT-817 and some antenna ideas to experiment with (I'll bring the MP-1 just incase the wire ideas fail in the field) Out where they live the RF noise level is much lower than at home in the burbs'.
>>>>
>>>> The home antenna is also a problem. I live in an antenna unfriendly neighborhood so I need to keep wires and structures out of sight from the street view. The back yard is large for this area but is to small for long random length antennas. The metal gutters messed up my ideas of wrapping a random length wire antenna around the house. This is the price I paied for a short commute to and from work I guess.
>>>>
>>>> Anyway tonight I hope to be stringing up the 84ish foot wire in a modified inverted L configuration and attaching a few tuned radials to test with. I will then see if the LDG100Pro can tune it or not.
>>>>
>>>> I am also slowly building a MagLoop that should work between 30M - 15M but have not had time to finish it as I have been working on a few after hour paying design projects, currently working on the Vac Variable Cap support structure.
>>>>
>>>> More to follow in a few days and thanks to everyone for the suggestions.
>>>>
>>>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@> wrote:
>>>> >
>>>> >

>>>> >
>>>> > Hi Will,
>>>> > Let's call it a random wire. "Long wire" implies a gain type wire antenna that is so long that it is multiple wavelengths and the signal radiating from some parts of the wire reinforce that from other parts of the wire, accomplishing gain.
>>>> >
>>>> > I am assuming you are going to do without feedline and just hook the antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm impedance antennna, so for multiband use, unless you add an antenna coupler between the transceiver and the antenna, your random wire antenna might cover only 2 bands if you are lucky.
>>>> >
>>>> > To explain further, your transceiver needs to see a 50 Ohm antenna system. That can be :
>>>> >
>>>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms to the transceiver. A single band doublet or a fan type multiband dipole will work or a trap type multiband dipole will work OR,
>>>> >
>>>> > [2] you can put an antenna coupler between the transceiver and the feedline. The antenna coupler,, when adjusted right and when operating within its design parameters will transform what it sees on its antenna side to make it look like 50 Ohms on the transceiver side.
>>>> >
>>>> > In case number [2] above, the feedline between the coupler and the random wire antenna will have significant losses on bands where the antenna itself does not match the impedance of the feedline. This is true unless the feedline is either very short or it is a type that has really low losses even when mismatched. Examples of low loss feedlines are open wire feeders or the large windowed twin lead.
>>>> >
>>>> > To get back to your question, If you start with the counterpoise of equal length to the wire you have already cut, and put it at equal altitude, it would make a doublet that is resonant near 7 MHz and it will be easy for your coupler to match. You would want to shorten both wires a little if you intend to use it on 40 meters without adding an antenna coupler. If the counterpoise is in the grass, you will have to shorten the counterpoise even further to make it resonant at the same frequency as your elevated antenna hot wire.
>>>> >
>>>> > About the terminology:
>>>> > By antenna coupler, I mean what most folks call an antenna tuner.
>>>> > These come in various flavors and some are specialized for use with the low loss balanced line (called open wire feeders, ladder line, or twin lead)
>>>> >
>>>> > Here is what a fairly versatile fixed station setup would be for multiband operation: Your transceiver, then a short coax cable to a link coupled balanced antenna coupler, then balanced feedline to the center of a 133 foot long doublet. The coupler could be any of the Z-match type antenna couplers that are available as kits. Expect coverage on all HF bands, 80 through 10. Be prepared to trim some length off of your balanced feeder if there is a favorite band that is difficult for your antenna coupler to match. And no counterpoise is necessary.
>>>> >
>>>> > I would encourage you to consider building your antenna coupler from parts or a kit. Further, if you purchase some ceramic insulators and some flexible wire, (even #18 speaker wire will do for a temporary experiment), add some windowed twin lead, and you can build an antenna system that will deliver more performance per dollar than a purchased wire antenna.
>>>> >
>>>> > If you want to keep the portable station antenna system simple, the elevated random wire plus a slightly shorter counterpoise in the grass can serve the purpose. If you build a L type antenna coupler and simply hook your antenna wire directly to the coupler (and the counterpoise directly to the coupler chassis) you should be able to adjust the L

network to accomplish a 50 Ohm load to keep the transciever happy. The L network is simple, has no ambiguous multiple settings that might be correct, and handles an extreme range of impedances. The tuning of the L network will be sharp. If you have no luck accomplishing a match, reverse the network so it is transforming in the opposite direction as before. High to low versus low to high impedance. Or, if your antenna plus counterpoise happens to be very close to 50 Ohms, just take the coupler out of the circuit. An antenna system without a feedline, such as the one just described, is radiating RF fairly
>>close to the transceiver and sometimes is troubled with RF in the shack. For an at-home antenna system, you can avoid the RF in the shack by having a system with a feedline that locates the radiating portions of the antenna away from the station.
>>>> >
>>>> > To answer your question regarding multiple counterpoises, one per band is effective in keeping the station from having RF on the mic, key, and radio chassis. be sure to insulate the far end of the quarter wave counterpoises. Expect the counterpoises to carry RF current and to radiate. Take that into account when locating them.
>>>> >
>>>> > I look forward to hearing what sort of setup you settle on.
>>>> > 73, Don WN9V
>>>> >
>>>> >
>>>> > "Will" <engineer1@> wrote:
>>>> > >
>>>> > >
>>>> > > I have cut a length of wire to 35.5 Feet for uses as a non-resonant long wire antenna for portable use with my FT-817.
>>>> > >
>>>> > > What length should I use for the counterpoise that will lie on the ground? Should it be the same length of should I cut one that is resonant at each band I am going to operate on?
>>>> > >
>>>> > > Thanks for any input:
>>>> > >
>>>> > > Will N7IPY
>>>> > >
>>>> >
>>>>
>>>
>>>[Non-text portions of this message have been removed]
>>>
>>>
>>>
>>>
>>>
>>
>>[Non-text portions of this message have been removed]
>>
>>[Non-text portions of this message have been removed]
>>
>>
>>
>>
>>
>

>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19170. Re: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 13:21:23 UTC
From: dean
Topic: 19125 Message: 19170

I been thinking of making a Delta Loop. So I'm looking around the net for ideas of what to use to make the loop more efficient. I read a nice article of a single band delta that the bottom of the loop is only 14 ft. off the ground.

http://w5sdc.net/delta_loop_for_hf.htm

Looks very interesting as I'm looking for one for 17 meters. I have the space to put up a multiple band delta loop. Unfortunately I can't get it higher than 44 ft. off the ground. I can put the apex just below my beam which is about 45 ft. off the ground.

My problem is I don't have any trees close to the house and I sit on decomposed granite and its very hard to dig a hole. So I can use guyed push up poles for the center and tie it off on the house.

WY6L

From: Siegfried Jackstien
Sent: Friday, August 12, 2011 4:58 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: Random wire and counterpoise

A horizontal dipole for 40 has to be high up in the air (min 60 feet) to
show a low elevation angle... but if you make a fullzize loop for TOPBAND
... it will even work if it is only 40 to 50 feet high ....
If the loop is very big (and topband loop is big on 40m band!) the elevation
angle goes down ....
The effect is a bit like on a longwire ... when fed on higher band and you
have more wavelengths on that wire the lobes go more in the direction of the
wire instead of 90 degrees like in a dipole

I havw my topband loop only 30-40 feet up ... so I would say : give it a try
if you have the room for it
Feed it with ladderline and you have a real multibander with low loss and
high gain :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Freitag, 12. August 2011 03:40
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> I went to several web sites on the OCF Carolina Windom.

>
> http://hamcall.net/7bandocf.html
>
> I only visited the one above tonight. I believe you□d want it at least 40
> ft. in the air. My inverted V is about 45 ft., its just under my beam
> antenna.
>
> You could just put up a pole and guy it with a pulley at the top with lots
> of rope thru the pulley for hauling up the antenna.
>
> I□m like you I have a lot of property but no trees close to the house.
> Most of my trees are a lot lower than my house. I live in the mountains.
> Now if I could just talk the wife into letting me put up some poles in the
> front yard
>
> I□d love to put up a loop but not enough poles to hold it up in the air
> high enough.
>
> WY6L
>
> From: Memwl
> Sent: Thursday, August 11, 2011 7:51 PM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: Random wire and counterpoise
>
> OCF Carolina Windom for 160 □ 10 meters.
>
> I have read a lot on this type antenna.
> I have so much to learn about different types of wire antennas.
> I want to try as many types that my back yard will hold, I have no
> restrictions except
> I have no trees, getting them in the air is my problem, I say a military
> type fiberglass support pole but is only
> 30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at
> this time.
> My house is only 25 ft at the highest point. and very accessible, just the
> air conditioning unit is quite close
> Maybe a tripod would work on top of the house with 15ft fiberglass pole to
> get that height and away from the AC unit
> Any suggestions would be appreciated., Interested in 20 and 40 meters.
> What is the optimal height I should shoot for;
>
> I have read that you don't have to be a wave length above ground. as low
> as 11 feet for 20 meters.
> Correct me if I am wrong
>
> ke7sbe
> Mike
>

> >_____
> >From: dean <mailto:deanf%40sti.net>
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Thursday, August 11, 2011 3:00 PM
> >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> >
> >Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole
> I☐ll put up a OCF Carolina Windom for 160 ☐ 10 meters.
> >
> >WY6L
> >
> >From: Memwl
> >Sent: Thursday, August 11, 2011 2:18 PM
> >To: mailto:ham-antennas%40yahoogroups.com
> >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> >Reminds me of the Roll-Out dipole, just roll out the Length you need.
> >Sounds Slick, I think I am going to try that.
> >Ke7sbe- MIke
> >
> >>_____
> >>From: dean <mailto:deanf%40sti.net>
> >>To: mailto:ham-antennas%40yahoogroups.com
> >>Sent: Tuesday, August 9, 2011 7:38 AM
> >>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> >>
> >>
> >>
> >>I have a friend who has an 80 M loop. He has two 1☐ long copper pipes
> attached to each end of the loop. In this case bottom right corner. He has
> a pair of battery cables attached to his coax and each frequency marked on
> the pipes. He just comes out of the shack and attach☐s it to the frequency
> he wants to talk on then turns on his Henry amp and talks. No need for a
> tuner except for the initial tunning.
> >>
> >>WY6L
> >>
> >>From: daverickmers
> >>Sent: Tuesday, August 09, 2011 7:28 AM
> >>To: mailto:ham-antennas%40yahoogroups.com
> >>Subject: [ham-antennas] Re: Random wire and counterpoise
> >>
> >>Have you considered a wire loop? They generally work better than end-fed
> wires at low elevations. They are wideband and easily matched across their
> useful bandwidth.
> >>
> >>Dave Rickmers/kd6il

> >>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...>
> wrote:
> >>>
> >>> Don,
> >>>
> >>> Thanks for taking so much time to reply to my question. Lots of good
> information.
> >>>
> >>> In reality I am working on 2 'Random' length antenna projects; one for
> portable use and another for perminent use at home.
> >>>
> >>> In reasurching Random length antennas, I read that it was best to use
> a non resonant length of wire, and found a chart that suggested a number
> of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think)
> were 2 I was thing of using.
> >>>
> >>> I use a number LDG auto tuners on all my antenna projects needing a
> tuner so was thinking of using a small 4:1 balan between the tuner and the
> wire antenna and then the tuner to the FT-817 as a portable solution.
> Using small sections of LMR-200 or RG58 as feed lines. I was not sure what
> to use as the counterpoise was all. I will be visiting with my parents
> soon and they live in the foothills and was going to bring my FT-817 and
> some antenna ideas to experiment with (I'll bring the MP-1 just incase the
> wire ideas fail in the field) Out where they live the RF noise level is
> much lower than at home in the burbs'.
> >>>
> >>> The home antenna is also a problem. I live in an antenna unfriendly
> neighborhood so I need to keep wires and structures out of sight from the
> street view. The back yard is large for this area but is to small for long
> random length antennas. The metal gutters messed up my ideas of wrapping a
> random length wire antenna around the house. This is the price I paied for
> a short commute to and from work I guess.
> >>>
> >>> Anyway tonight I hope to be stringing up the 84ish foot wire in a
> modified inverted L configuration and attaching a few tuned radials to
> test with. I will then see if the LDG100Pro can tune it or not.
> >>>
> >>> I am also slowly building a MagLoop that should work between 30M - 15M
> but have not had time to finish it as I have been working on a few after
> hour paying design projects, currently working on the Vac Variable Cap
> support structure.
> >>>
> >>> More to follow in a few days and thanks to everyone for the
> suggestions.
> >>>
> >>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@>
> wrote:
> >>> >
> >>> >

> >>> >
> >>> > Hi Will,
> >>> > Let's call it a random wire. "Long wire" implies a gain type wire
> antenna that is so long that it is multiple wavelengths and the signal
> radiating from some parts of the wire reinforce that from other parts of
> the wire, accomplishing gain.
> >>> >
> >>> > I am assuming you are going to do without feedline and just hook the
> antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm
> impedance antennna, so for multiband use, unless you add an antenna
> coupler between the transceiver and the antenna, your random wire antenna
> might cover only 2 bands if you are lucky.
> >>> >
> >>> > To explain further, your transceiver needs to see a 50 Ohm antenna
> system. That can be :
> >>> >
> >>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms
> to the transceiver. A single band doublet or a fan type multiband dipole
> will work or a trap type multiband dipole will work OR,
> >>> >
> >>> > [2] you can put an antenna coupler between the transceiver and the
> feedline. The antenna coupler,, when adjusted right and when operating
> within its design parameters will transform what it sees on its antenna
> side to make it look like 50 Ohms on the transceiver side.
> >>> >
> >>> > In case number [2] above, the feedline between the coupler and the
> random wire antenna will have significant losses on bands where the
> antenna itself does not match the impedance of the feedline. This is true
> unless the feedline is either very short or it is a type that has really
> low losses even when mismatched. Examples of low loss feedlines are open
> wire feeders or the large windowed twin lead.
> >>> >
> >>> > To get back to your question, If you start with the counterpoise of
> equal length to the wire you have already cut, and put it at equal
> altitude, it would make a doublet that is resonant near 7 MHz and it will
> be easy for your coupler to match. You would want to shorten both wires a
> little if you intend to use it on 40 meters without adding an antenna
> coupler. If the counterpoise is in the grass, you will have to shorten the
> counterpoise even further to make it resonant at the same frequency as
> your elevated antenna hot wire.
> >>> >
> >>> > About the terminology:
> >>> > By antenna coupler, I mean what most folks call an antenna tuner.
> >>> > These come in various flavors and some are specialized for use with
> the low loss balanced line (called open wire feeders, ladder line, or twin
> lead)
> >>> >
> >>> > Here is what a fairly versatile fixed station setup would be for
> multiband operation: Your transceiver, then a short coax cable to a link

> coupled balanced antenna coupler, then balanced feedline to the center of
> a 133 foot long doublet. The coupler could be any of the Z-match type
> antenna couplers that are available as kits. Expect coverage on all HF
> bands, 80 through 10. Be prepared to trim some length off of your balanced
> feeder if there is a favorite band that is difficult for your antenna
> coupler to match. And no counterpoise is necessary.
> >>> >
> >>> > I would encourage you to consider building your antenna coupler from
> parts or a kit. Further, if you purchase some ceramic insulators and some
> flexible wire, (even #18 speaker wire will do for a temporary experiment),
> add some windowed twin lead, and you can build an antenna system that will
> deliver more performance per dollar than a purchased wire antenna.
> >>> >
> >>> > If you want to keep the portable station antenna system simple, the
> elevated random wire plus a slightly shorter counterpoise in the grass can
> serve the purpose. If you build a L type antenna coupler and simply hook
> your antenna wire directly to the coupler (and the counterpoise directly
> to the coupler chassis) you should be able to adjust the L network to
> accomplish a 50 Ohm load to keep the transciever happy. The L network is
> simple, has no ambiguous multiple settings that might be correct, and
> handles an extreme range of impedances. The tuning of the L network will
> be sharp. If you have no luck accomplishing a match, reverse the network
> so it is transforming in the opposite direction as before. High to low
> versus low to high impedance. Or, if your antenna plus counterpoise
> happens to be very close to 50 Ohms, just take the coupler out of the
> circuit. An antenna system without a feedline, such as the one just
> described, is radiating RF fairly
> >close to the transceiver and sometimes is troubled with RF in the shack.
> For an at-home antenna system, you can avoid the RF in the shack by having
> a system with a feedline that locates the radiating portions of the
> antenna away from the station.
> >>> >
> >>> > To answer your question regarding multiple counterpoises, one per
> band is effective in keeping the station from having RF on the mic, key,
> and radio chassis. be sure to insulate the far end of the quarter wave
> counterpoises. Expect the counterpoises to carry RF current and to
> radiate. Take that into account when locating them.
> >>> >
> >>> > I look forward to hearing what sort of setup you settle on.
> >>> > 73, Don WN9V
> >>> >
> >>> >
> >>> > "Will" <engineer1@> wrote:
> >>> > >
> >>> > >
> >>> > > I have cut a length of wire to 35.5 Feet for uses as a non-
> resonant long wire antenna for portable use with my FT-817.
> >>> > >
> >>> > > What length should I use for the counterpoise that will lie on the

> ground? Should it be the same length of should I cut one that is resonant
> at each band I am going to operate on?
> >>> > >
> >>> > > Thanks for any input:
> >>> > >
> >>> > > Will N7IPY
> >>> > >
> >>> >
> >>>
> >>
> >>[Non-text portions of this message have been removed]
> >>
> >>
> >>
> >>
> >>
> >
> >[Non-text portions of this message have been removed]
> >
> >[Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19171. OOOPS WRONG SIZE

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 13:40:54 UTC
From: n8gbu
Topic: 19171 Message: 19171

I put the in the ground (cemented) the o.d. is to big to fit the clamps that fit into the pre-drilled holes on the mounting plate of my M.F.J. 1798 verticle. Any Ideas to fix the problem without digging out the pipe, the pipe has threads on it says its a pump shaft. Any ideas?

thanks in advance mike n8gbu

19172. RE: [ham-antennas] OOOPS WRONG SIZE

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 14:07:40 UTC
From: Richard Schmuke
Topic: 19171 Message: 19172

I took a quick look at the PDF file for the 1798 set up and it should be no problem. One quick fix is to drill some new holes. If you don□t like that, the u-bolts are just ¼-20 , not very stiff, so get some threaded rod and bend you own u-bolt. Grab the threaded rod and bend it around your pipe, bring the legs past parallel then put a dog leg in it to fit the plate.

Rich , Kd0zz

Subject: [ham-antennas] OOOPS WRONG SIZE

I put the in the ground (cemented) the o.d. is to big to fit the clamps that fit into the pre-drilled holes on the mounting plate of my M.F.J. 1798 verticle. Any Ideas to fix the problem without digging out the pipe, the pipe has threads on it says its a pump shaft. Any ideas?

thanks in advance mike n8gbu

[Non-text portions of this message have been removed]

19173. AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 15:05:48 UTC
From: Siegfried Jackstien
Topic: 19125 Message: 19173

How far are the trees away?
Ever thought of making a BIG LOOP???
Dg9bfc
Sigi
Ps I have a topbandloop here and if I had the room I would double it :-)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Freitag, 12. August 2011 13:21
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> I been thinking of making a Delta Loop. So I☐m looking around the net for
> ideas of what to use to make the loop more efficient. I read a nice
> article of a single band delta that the bottom of the loop is only 14 ft.
> off the ground.
>
> http://w5sdc.net/delta_loop_for_hf.htm
>
> Looks very interesting as I☐m looking for one for 17 meters. I have the
> space to put up a multiple band delta loop. Unfortunately I can☐t get it
> higher than 44 ft. off the ground. I can put the apex just below my beam
> which is about 45 ft. off the ground.
>
> My problem is I don☐t have any trees close to the house and I sit on
> decomposed granite and its very hard to dig a hole. So I can use guyed
> push up poles for the center and tie it off on the house.
>
> WY6L
>
> From: Siegfried Jackstien
> Sent: Friday, August 12, 2011 4:58 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Re: Random wire and counterpoise
>
> A horizontal dipole for 40 has to be high up in the air (min 60 feet) to
> show a low elevation angle... but if you make a fullzize loop for TOPBAND
> ... it will even work if it is only 40 to 50 feet high ....
> If the loop is very big (and topband loop is big on 40m band!) the
> elevation
> angle goes down ....

> The effect is a bit like on a longwire ... when fed on higher band and you
> have more wavelengths on that wire the lobes go more in the direction of
> the
> wire instead of 90 degrees like in a dipole
>
> I havw my topband loop only 30-40 feet up ... so I would say : give it a
> try
> if you have the room for it
> Feed it with ladderline and you have a real multibander with low loss and
> high gain :-)
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von dean
> > Gesendet: Freitag, 12. August 2011 03:40
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> >
> > I went to several web sites on the OCF Carolina Windom.
> >
> > http://hamcall.net/7bandocf.html
> >
> > I only visited the one above tonight. I believe you□d want it at least
> 40
> > ft. in the air. My inverted V is about 45 ft., its just under my beam
> > antenna.
> >
> > You could just put up a pole and guy it with a pulley at the top with
> lots
> > of rope thru the pulley for hauling up the antenna.
> >
> > I□m like you I have a lot of property but no trees close to the house.
> > Most of my trees are a lot lower than my house. I live in the mountains.
> > Now if I could just talk the wife into letting me put up some poles in
> the
> > front yard
> >
> > I□d love to put up a loop but not enough poles to hold it up in the air
> > high enough.
> >
> > WY6L
> >
> > From: Memwl
> > Sent: Thursday, August 11, 2011 7:51 PM

> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> > OCF Carolina Windom for 160 ☐ 10 meters.
> >
> > I have read a lot on this type antenna.
> > I have so much to learn about different types of wire antennas.
> > I want to try as many types that my back yard will hold, I have no
> > restrictions except
> > I have no trees, getting them in the air is my problem, I say a military
> > type fiberglass support pole but is only
> > 30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at
> > this time.
> > My house is only 25 ft at the highest point. and very accessible, just
> the
> > air conditioning unit is quite close
> > Maybe a tripod would work on top of the house with 15ft fiberglass pole
> to
> > get that height and away from the AC unit
> > Any suggestions would be appreciated., Interested in 20 and 40 meters.
> > What is the optimal height I should shoot for;
> >
> > I have read that you don't have to be a wave length above ground. as low
> > as 11 feet for 20 meters.
> > Correct me if I am wrong
> >
> > ke7sbe
> > Mike
> >
> > >_____
> > >From: dean <mailto:deanf%40sti.net>
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Sent: Thursday, August 11, 2011 3:00 PM
> > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > >
> > >
> > >Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole
> > I☐ll put up a OCF Carolina Windom for 160 ☐ 10 meters.
> > >
> > >WY6L
> > >
> > >From: Memwl
> > >Sent: Thursday, August 11, 2011 2:18 PM
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > >Reminds me of the Roll-Out dipole, just roll out the Length you need.

> > >Sounds Slick, I think I am going to try that.
> > >Ke7sbe- MIke
> > >
> > >>_____
> > >>From: dean <mailto:deanf%40sti.net>
> > >>To: mailto:ham-antennas%40yahoogroups.com
> > >>Sent: Tuesday, August 9, 2011 7:38 AM
> > >>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >>
> > >>
> > >>
> > >>I have a friend who has an 80 M loop. He has two 1☐ long copper pipes
> > attached to each end of the loop. In this case bottom right corner. He
> has
> > a pair of battery cables attached to his coax and each frequency marked
> on
> > the pipes. He just comes out of the shack and attach☐s it to the
> frequency
> > he wants to talk on then turns on his Henry amp and talks. No need for a
> > tuner except for the initial tunning.
> > >>
> > >>WY6L
> > >>
> > >>From: daverickmers
> > >>Sent: Tuesday, August 09, 2011 7:28 AM
> > >>To: mailto:ham-antennas%40yahoogroups.com
> > >>Subject: [ham-antennas] Re: Random wire and counterpoise
> > >>
> > >>Have you considered a wire loop? They generally work better than end-
> fed
> > wires at low elevations. They are wideband and easily matched across
> their
> > useful bandwidth.
> > >>
> > >>Dave Rickmers/kd6il
> > >>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...>
> > wrote:
> > >>>
> > >>> Don,
> > >>>
> > >>> Thanks for taking so much time to reply to my question. Lots of good
> > information.
> > >>>
> > >>> In reality I am working on 2 'Random' length antenna projects; one
> for
> > portable use and another for perminent use at home.
> > >>>
> > >>> In reasurching Random length antennas, I read that it was best to
> use

> > a non resonant length of wire, and found a chart that suggested a number
> > of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think)
> > were 2 I was thing of using.
> > >>>
> > >>> I use a number LDG auto tuners on all my antenna projects needing a
> > tuner so was thinking of using a small 4:1 balan between the tuner and
> the
> > wire antenna and then the tuner to the FT-817 as a portable solution.
> > Using small sections of LMR-200 or RG58 as feed lines. I was not sure
> what
> > to use as the counterpoise was all. I will be visiting with my parents
> > soon and they live in the foothills and was going to bring my FT-817 and
> > some antenna ideas to experiment with (I'll bring the MP-1 just incase
> the
> > wire ideas fail in the field) Out where they live the RF noise level is
> > much lower than at home in the burbs'.
> > >>>
> > >>> The home antenna is also a problem. I live in an antenna unfriendly
> > neighborhood so I need to keep wires and structures out of sight from
> the
> > street view. The back yard is large for this area but is to small for
> long
> > random length antennas. The metal gutters messed up my ideas of wrapping
> a
> > random length wire antenna around the house. This is the price I paied
> for
> > a short commute to and from work I guess.
> > >>>
> > >>> Anyway tonight I hope to be stringing up the 84ish foot wire in a
> > modified inverted L configuration and attaching a few tuned radials to
> > test with. I will then see if the LDG100Pro can tune it or not.
> > >>>
> > >>> I am also slowly building a MagLoop that should work between 30M -
> 15M
> > but have not had time to finish it as I have been working on a few after
> > hour paying design projects, currently working on the Vac Variable Cap
> > support structure.
> > >>>
> > >>> More to follow in a few days and thanks to everyone for the
> > suggestions.
> > >>>
> > >>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@>
> > wrote:
> > >>> >
> > >>> >
> > >>> >
> > >>> > Hi Will,
> > >>> > Let's call it a random wire. "Long wire" implies a gain type wire
> > antenna that is so long that it is multiple wavelengths and the signal

> > radiating from some parts of the wire reinforce that from other parts of
> > the wire, accomplishing gain.
> > >>> >
> > >>> > I am assuming you are going to do without feedline and just hook
> the
> > antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm
> > impedance antennna, so for multiband use, unless you add an antenna
> > coupler between the transceiver and the antenna, your random wire
> antenna
> > might cover only 2 bands if you are lucky.
> > >>> >
> > >>> > To explain further, your transceiver needs to see a 50 Ohm antenna
> > system. That can be :
> > >>> >
> > >>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms
> > to the transceiver. A single band doublet or a fan type multiband dipole
> > will work or a trap type multiband dipole will work OR,
> > >>> >
> > >>> > [2] you can put an antenna coupler between the transceiver and the
> > feedline. The antenna coupler,, when adjusted right and when operating
> > within its design parameters will transform what it sees on its antenna
> > side to make it look like 50 Ohms on the transceiver side.
> > >>> >
> > >>> > In case number [2] above, the feedline between the coupler and the
> > random wire antenna will have significant losses on bands where the
> > antenna itself does not match the impedance of the feedline. This is
> true
> > unless the feedline is either very short or it is a type that has really
> > low losses even when mismatched. Examples of low loss feedlines are open
> > wire feeders or the large windowed twin lead.
> > >>> >
> > >>> > To get back to your question, If you start with the counterpoise
> of
> > equal length to the wire you have already cut, and put it at equal
> > altitude, it would make a doublet that is resonant near 7 MHz and it
> will
> > be easy for your coupler to match. You would want to shorten both wires
> a
> > little if you intend to use it on 40 meters without adding an antenna
> > coupler. If the counterpoise is in the grass, you will have to shorten
> the
> > counterpoise even further to make it resonant at the same frequency as
> > your elevated antenna hot wire.
> > >>> >
> > >>> > About the terminology:
> > >>> > By antenna coupler, I mean what most folks call an antenna tuner.
> > >>> > These come in various flavors and some are specialized for use
> with
> > the low loss balanced line (called open wire feeders, ladder line, or

> twin
> > lead)
> > >>> >
> > >>> > Here is what a fairly versatile fixed station setup would be for
> > multiband operation: Your transceiver, then a short coax cable to a link
> > coupled balanced antenna coupler, then balanced feedline to the center
> of
> > a 133 foot long doublet. The coupler could be any of the Z-match type
> > antenna couplers that are available as kits. Expect coverage on all HF
> > bands, 80 through 10. Be prepared to trim some length off of your
> balanced
> > feeder if there is a favorite band that is difficult for your antenna
> > coupler to match. And no counterpoise is necessary.
> > >>> >
> > >>> > I would encourage you to consider building your antenna coupler
> from
> > parts or a kit. Further, if you purchase some ceramic insulators and
> some
> > flexible wire, (even #18 speaker wire will do for a temporary
> experiment),
> > add some windowed twin lead, and you can build an antenna system that
> will
> > deliver more performance per dollar than a purchased wire antenna.
> > >>> >
> > >>> > If you want to keep the portable station antenna system simple,
> the
> > elevated random wire plus a slightly shorter counterpoise in the grass
> can
> > serve the purpose. If you build a L type antenna coupler and simply hook
> > your antenna wire directly to the coupler (and the counterpoise directly
> > to the coupler chassis) you should be able to adjust the L network to
> > accomplish a 50 Ohm load to keep the transciever happy. The L network is
> > simple, has no ambiguous multiple settings that might be correct, and
> > handles an extreme range of impedances. The tuning of the L network will
> > be sharp. If you have no luck accomplishing a match, reverse the network
> > so it is transforming in the opposite direction as before. High to low
> > versus low to high impedance. Or, if your antenna plus counterpoise
> > happens to be very close to 50 Ohms, just take the coupler out of the
> > circuit. An antenna system without a feedline, such as the one just
> > described, is radiating RF fairly
> > >close to the transceiver and sometimes is troubled with RF in the
> shack.
> > For an at-home antenna system, you can avoid the RF in the shack by
> having
> > a system with a feedline that locates the radiating portions of the
> > antenna away from the station.
> > >>> >
> > >>> > To answer your question regarding multiple counterpoises, one per
> > band is effective in keeping the station from having RF on the mic, key,

> > and radio chassis. be sure to insulate the far end of the quarter wave
> > counterpoises. Expect the counterpoises to carry RF current and to
> > radiate. Take that into account when locating them.
> > >>> >
> > >>> > I look forward to hearing what sort of setup you settle on.
> > >>> > 73, Don WN9V
> > >>> >
> > >>> >
> > >>> > "Will" <engineer1@> wrote:
> > >>> > >
> > >>> > >
> > >>> > > I have cut a length of wire to 35.5 Feet for uses as a non-
> > resonant long wire antenna for portable use with my FT-817.
> > >>> > >
> > >>> > > What length should I use for the counterpoise that will lie on
> the
> > ground? Should it be the same length of should I cut one that is
> resonant
> > at each band I am going to operate on?
> > >>> > >
> > >>> > > Thanks for any input:
> > >>> > >
> > >>> > > Will N7IPY
> > >>> > >
> > >>> >
> > >>>
> > >>
> > >>[Non-text portions of this message have been removed]
> > >>
> > >>
> > >>
> > >>
> > >>
> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >
> > >
> > >
> > [Non-text portions of this message have been removed]
> > >
> > [Non-text portions of this message have been removed]
> > >
> > >
> > >

> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19174. Re: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 15:20:47 UTC
From: dean
Topic: 19125 Message: 19174

Well I have one tree in the front yard about 70 ft. from my radio. Not sure how high it is and forgot my basic math on how to calculate the height of a tree. I know its taller than the house but it's a Chinese Tallow tree and no real high single branch. I have some taller trees about 1 ft from the house but at a much lower elevation. I sit on top of a bluff at about 2250 Ft up. My inverted V fan dipole is 75 M N to S and the 40 meter leg is E to W. I have a very low angle of radiation as 12 ft from the apex of that dipole the ground drops off to sea leval some miles away, SW to W.

I also thought about a pole in the front yard next to the house (of course I would need the wife's permission) and put up a delta loop there.

I thought about putting up a loop over the house, big house. But not too sure about it over my head. The roof is all 2 X 12 boards and the composite shingles over that. In the center of the attic I can stand up my full 6'6" and have a lot more room over my head.

The house is 3500 sq ft.

I'm also 67 years old and disabled so I would have to have some local hams come over and do the work for me. I always get a bunch of steaks and the wife cooks a great meal for them.

WY6L

From: Siegfried Jackstien
Sent: Friday, August 12, 2011 8:05 AM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Re: Random wire and counterpoise

How far are the trees away?
Ever thought of making a BIG LOOP???
Dg9bfc
Sigi
Ps I have a topbandloop here and if I had the room I would double it :-)

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Freitag, 12. August 2011 13:21
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> I been thinking of making a Delta Loop. So I☐m looking around the net for
> ideas of what to use to make the loop more efficient. I read a nice
> article of a single band delta that the bottom of the loop is only 14 ft.
> off the ground.
>

> http://w5sdc.net/delta_loop_for_hf.htm
>
> Looks very interesting as I□m looking for one for 17 meters. I have the
> space to put up a multiple band delta loop. Unfortunately I can□t get it
> higher than 44 ft. off the ground. I can put the apex just below my beam
> which is about 45 ft. off the ground.
>
> My problem is I don□t have any trees close to the house and I sit on
> decomposed granite and its very hard to dig a hole. So I can use guyed
> push up poles for the center and tie it off on the house.
>
> WY6L
>
> From: Siegfried Jackstien
> Sent: Friday, August 12, 2011 4:58 AM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Re: Random wire and counterpoise
>
> A horizontal dipole for 40 has to be high up in the air (min 60 feet) to
> show a low elevation angle... but if you make a fullzize loop for TOPBAND
> ... it will even work if it is only 40 to 50 feet high ....
> If the loop is very big (and topband loop is big on 40m band!) the
> elevation
> angle goes down ....
> The effect is a bit like on a longwire ... when fed on higher band and you
> have more wavelengths on that wire the lobes go more in the direction of
> the
> wire instead of 90 degrees like in a dipole
>
> I havw my topband loop only 30-40 feet up ... so I would say : give it a
> try
> if you have the room for it
> Feed it with ladderline and you have a real multibander with low loss and
> high gain :-)
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von dean
> > Gesendet: Freitag, 12. August 2011 03:40
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> >
> > I went to several web sites on the OCF Carolina Windom.
> >

> > http://hamcall.net/7bandocf.html
> >
> > I only visited the one above tonight. I believe you□d want it at least
> 40
> > ft. in the air. My inverted V is about 45 ft., its just under my beam
> > antenna.
> >
> > You could just put up a pole and guy it with a pulley at the top with
> lots
> > of rope thru the pulley for hauling up the antenna.
> >
> > I□m like you I have a lot of property but no trees close to the house.
> > Most of my trees are a lot lower than my house. I live in the mountains.
> > Now if I could just talk the wife into letting me put up some poles in
> the
> > front yard
> >
> > I□d love to put up a loop but not enough poles to hold it up in the air
> > high enough.
> >
> > WY6L
> >
> > From: Memwl
> > Sent: Thursday, August 11, 2011 7:51 PM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> > OCF Carolina Windom for 160 □ 10 meters.
> >
> > I have read a lot on this type antenna.
> > I have so much to learn about different types of wire antennas.
> > I want to try as many types that my back yard will hold, I have no
> > restrictions except
> > I have no trees, getting them in the air is my problem, I say a military
> > type fiberglass support pole but is only
> > 30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at
> > this time.
> > My house is only 25 ft at the highest point. and very accessible, just
> the
> > air conditioning unit is quite close
> > Maybe a tripod would work on top of the house with 15ft fiberglass pole
> to
> > get that height and away from the AC unit
> > Any suggestions would be appreciated., Interested in 20 and 40 meters.
> > What is the optimal height I should shoot for;
> >
> > I have read that you don't have to be a wave length above ground. as low
> > as 11 feet for 20 meters.

> > Correct me if I am wrong
> >
> > ke7sbe
> > Mike
> >
> > >_____
> > >From: dean <mailto:deanf%40sti.net>
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Sent: Thursday, August 11, 2011 3:00 PM
> > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > >
> > >
> > >Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole
> > I☐ll put up a OCF Carolina Windom for 160 ☐ 10 meters.
> > >
> > >WY6L
> > >
> > >From: Memwl
> > >Sent: Thursday, August 11, 2011 2:18 PM
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > >Reminds me of the Roll-Out dipole, just roll out the Length you need.
> > >Sounds Slick, I think I am going to try that.
> > >Ke7sbe- MIke
> > >
> > >>_____
> > >>From: dean <mailto:deanf%40sti.net>
> > >>To: mailto:ham-antennas%40yahoogroups.com
> > >>Sent: Tuesday, August 9, 2011 7:38 AM
> > >>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >>
> > >>
> > >>
> > >>I have a friend who has an 80 M loop. He has two 1☐ long copper pipes
> > attached to each end of the loop. In this case bottom right corner. He
> has
> > a pair of battery cables attached to his coax and each frequency marked
> on
> > the pipes. He just comes out of the shack and attach☐s it to the
> frequency
> > he wants to talk on then turns on his Henry amp and talks. No need for a
> > tuner except for the initial tunning.
> > >>
> > >>WY6L
> > >>
> > >>From: daverickmers
> > >>Sent: Tuesday, August 09, 2011 7:28 AM

> > >>To: mailto:ham-antennas%40yahoogroups.com
> > >>Subject: [ham-antennas] Re: Random wire and counterpoise
> > >>
> > >>Have you considered a wire loop? They generally work better than end-
> fed
> > wires at low elevations. They are wideband and easily matched across
> their
> > useful bandwidth.
> > >>
> > >>Dave Rickmers/kd6il
> > >>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...>
> > wrote:
> > >>>
> > >>> Don,
> > >>>
> > >>> Thanks for taking so much time to reply to my question. Lots of good
> > information.
> > >>>
> > >>> In reality I am working on 2 'Random' length antenna projects; one
> for
> > portable use and another for perminent use at home.
> > >>>
> > >>> In reasurching Random length antennas, I read that it was best to
> use
> > a non resonant length of wire, and found a chart that suggested a number
> > of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think)
> > were 2 I was thing of using.
> > >>>
> > >>> I use a number LDG auto tuners on all my antenna projects needing a
> > tuner so was thinking of using a small 4:1 balan between the tuner and
> the
> > wire antenna and then the tuner to the FT-817 as a portable solution.
> > Using small sections of LMR-200 or RG58 as feed lines. I was not sure
> what
> > to use as the counterpoise was all. I will be visiting with my parents
> > soon and they live in the foothills and was going to bring my FT-817 and
> > some antenna ideas to experiment with (I'll bring the MP-1 just incase
> the
> > wire ideas fail in the field) Out where they live the RF noise level is
> > much lower than at home in the burbs'.
> > >>>
> > >>> The home antenna is also a problem. I live in an antenna unfriendly
> > neighborhood so I need to keep wires and structures out of sight from
> the
> > street view. The back yard is large for this area but is to small for
> long
> > random length antennas. The metal gutters messed up my ideas of wrapping
> a
> > random length wire antenna around the house. This is the price I paied

> for
> > a short commute to and from work I guess.
> > >>>
> > >>> Anyway tonight I hope to be stringing up the 84ish foot wire in a
> > modified inverted L configuration and attaching a few tuned radials to
> > test with. I will then see if the LDG100Pro can tune it or not.
> > >>>
> > >>> I am also slowly building a MagLoop that should work between 30M -
> 15M
> > but have not had time to finish it as I have been working on a few after
> > hour paying design projects, currently working on the Vac Variable Cap
> > support structure.
> > >>>
> > >>> More to follow in a few days and thanks to everyone for the
> > suggestions.
> > >>>
> > >>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@>
> > wrote:
> > >>> >
> > >>> >
> > >>> >
> > >>> > Hi Will,
> > >>> > Let's call it a random wire. "Long wire" implies a gain type wire
> > antenna that is so long that it is multiple wavelengths and the signal
> > radiating from some parts of the wire reinforce that from other parts of
> > the wire, accomplishing gain.
> > >>> >
> > >>> > I am assuming you are going to do without feedline and just hook
> the
> > antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm
> > impedance antennna, so for multiband use, unless you add an antenna
> > coupler between the transceiver and the antenna, your random wire
> antenna
> > might cover only 2 bands if you are lucky.
> > >>> >
> > >>> > To explain further, your transceiver needs to see a 50 Ohm antenna
> > system. That can be :
> > >>> >
> > >>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms
> > to the transceiver. A single band doublet or a fan type multiband dipole
> > will work or a trap type multiband dipole will work OR,
> > >>> >
> > >>> > [2] you can put an antenna coupler between the transceiver and the
> > feedline. The antenna coupler,, when adjusted right and when operating
> > within its design parameters will transform what it sees on its antenna
> > side to make it look like 50 Ohms on the transceiver side.
> > >>> >
> > >>> > In case number [2] above, the feedline between the coupler and the
> > random wire antenna will have significant losses on bands where the

> > antenna itself does not match the impedance of the feedline. This is
> true
> > unless the feedline is either very short or it is a type that has really
> > low losses even when mismatched. Examples of low loss feedlines are open
> > wire feeders or the large windowed twin lead.
> > >>> >
> > >>> > To get back to your question, If you start with the counterpoise
> of
> > equal length to the wire you have already cut, and put it at equal
> > altitude, it would make a doublet that is resonant near 7 MHz and it
> will
> > be easy for your coupler to match. You would want to shorten both wires
> a
> > little if you intend to use it on 40 meters without adding an antenna
> > coupler. If the counterpoise is in the grass, you will have to shorten
> the
> > counterpoise even further to make it resonant at the same frequency as
> > your elevated antenna hot wire.
> > >>> >
> > >>> > About the terminology:
> > >>> > By antenna coupler, I mean what most folks call an antenna tuner.
> > >>> > These come in various flavors and some are specialized for use
> with
> > the low loss balanced line (called open wire feeders, ladder line, or
> twin
> > lead)
> > >>> >
> > >>> > Here is what a fairly versatile fixed station setup would be for
> > multiband operation: Your transceiver, then a short coax cable to a link
> > coupled balanced antenna coupler, then balanced feedline to the center
> of
> > a 133 foot long doublet. The coupler could be any of the Z-match type
> > antenna couplers that are available as kits. Expect coverage on all HF
> > bands, 80 through 10. Be prepared to trim some length off of your
> balanced
> > feeder if there is a favorite band that is difficult for your antenna
> > coupler to match. And no counterpoise is necessary.
> > >>> >
> > >>> > I would encourage you to consider building your antenna coupler
> from
> > parts or a kit. Further, if you purchase some ceramic insulators and
> some
> > flexible wire, (even #18 speaker wire will do for a temporary
> experiment),
> > add some windowed twin lead, and you can build an antenna system that
> will
> > deliver more performance per dollar than a purchased wire antenna.
> > >>> >
> > >>> > If you want to keep the portable station antenna system simple,

> the
> > elevated random wire plus a slightly shorter counterpoise in the grass
> can
> > serve the purpose. If you build a L type antenna coupler and simply hook
> > your antenna wire directly to the coupler (and the counterpoise directly
> > to the coupler chassis) you should be able to adjust the L network to
> > accomplish a 50 Ohm load to keep the transciever happy. The L network is
> > simple, has no ambiguous multiple settings that might be correct, and
> > handles an extreme range of impedances. The tuning of the L network will
> > be sharp. If you have no luck accomplishing a match, reverse the network
> > so it is transforming in the opposite direction as before. High to low
> > versus low to high impedance. Or, if your antenna plus counterpoise
> > happens to be very close to 50 Ohms, just take the coupler out of the
> > circuit. An antenna system without a feedline, such as the one just
> > described, is radiating RF fairly
> > >close to the transceiver and sometimes is troubled with RF in the
> shack.
> > For an at-home antenna system, you can avoid the RF in the shack by
> having
> > a system with a feedline that locates the radiating portions of the
> > antenna away from the station.
> > >>> >
> > >>> > To answer your question regarding multiple counterpoises, one per
> > band is effective in keeping the station from having RF on the mic, key,
> > and radio chassis. be sure to insulate the far end of the quarter wave
> > counterpoises. Expect the counterpoises to carry RF current and to
> > radiate. Take that into account when locating them.
> > >>> >
> > >>> > I look forward to hearing what sort of setup you settle on.
> > >>> > 73, Don WN9V
> > >>> >
> > >>> >
> > >>> > "Will" <engineer1@> wrote:
> > >>> > >
> > >>> > >
> > >>> > > I have cut a length of wire to 35.5 Feet for uses as a non-
> > resonant long wire antenna for portable use with my FT-817.
> > >>> > >
> > >>> > > What length should I use for the counterpoise that will lie on
> the
> > ground? Should it be the same length of should I cut one that is
> resonant
> > at each band I am going to operate on?
> > >>> > >
> > >>> > > Thanks for any input:
> > >>> > >
> > >>> > > Will N7IPY
> > >>> > >
> > >>> >

> > >>>
> > >>
> > >>[Non-text portions of this message have been removed]
> > >>
> > >>
> > >>
> > >>
> > >>
> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19175. Re: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 15:27:21 UTC
From: dean
Topic: 19125 Message: 19175

By the way I was stationed in Kaiserslautern and Mannheim back in 1964 when I was in the Army. It’s a beautiful country.

WY6L

From: Siegfried Jackstien
Sent: Friday, August 12, 2011 8:05 AM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Re: Random wire and counterpoise

How far are the trees away?
Ever thought of making a BIG LOOP???
Dg9bfc
Sigi
Ps I have a topbandloop here and if I had the room I would double it :-)

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Freitag, 12. August 2011 13:21
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> I been thinking of making a Delta Loop. So I□m looking around the net for
> ideas of what to use to make the loop more efficient. I read a nice
> article of a single band delta that the bottom of the loop is only 14 ft.
> off the ground.
>
> http://w5sdc.net/delta_loop_for_hf.htm
>
> Looks very interesting as I□m looking for one for 17 meters. I have the
> space to put up a multiple band delta loop. Unfortunately I can□t get it
> higher than 44 ft. off the ground. I can put the apex just below my beam
> which is about 45 ft. off the ground.
>
> My problem is I don□t have any trees close to the house and I sit on
> decomposed granite and its very hard to dig a hole. So I can use guyed
> push up poles for the center and tie it off on the house.
>
> WY6L
>
> From: Siegfried Jackstien
> Sent: Friday, August 12, 2011 4:58 AM

> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Re: Random wire and counterpoise
>
> A horizontal dipole for 40 has to be high up in the air (min 60 feet) to
> show a low elevation angle... but if you make a fullzize loop for TOPBAND
> ... it will even work if it is only 40 to 50 feet high ....
> If the loop is very big (and topband loop is big on 40m band!) the
> elevation
> angle goes down ....
> The effect is a bit like on a longwire ... when fed on higher band and you
> have more wavelengths on that wire the lobes go more in the direction of
> the
> wire instead of 90 degrees like in a dipole
>
> I havw my topband loop only 30-40 feet up ... so I would say : give it a
> try
> if you have the room for it
> Feed it with ladderline and you have a real multibander with low loss and
> high gain :-)
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von dean
> > Gesendet: Freitag, 12. August 2011 03:40
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> >
> > I went to several web sites on the OCF Carolina Windom.
> >
> > http://hamcall.net/7bandocf.html
> >
> > I only visited the one above tonight. I believe you□d want it at least
> 40
> > ft. in the air. My inverted V is about 45 ft., its just under my beam
> > antenna.
> >
> > You could just put up a pole and guy it with a pulley at the top with
> lots
> > of rope thru the pulley for hauling up the antenna.
> >
> > I□m like you I have a lot of property but no trees close to the house.
> > Most of my trees are a lot lower than my house. I live in the mountains.
> > Now if I could just talk the wife into letting me put up some poles in
> the

> > front yard
> >
> > I☐d love to put up a loop but not enough poles to hold it up in the air
> > high enough.
> >
> > WY6L
> >
> > From: Memwl
> > Sent: Thursday, August 11, 2011 7:51 PM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> >
> > OCF Carolina Windom for 160 ☐ 10 meters.
> >
> > I have read a lot on this type antenna.
> > I have so much to learn about different types of wire antennas.
> > I want to try as many types that my back yard will hold, I have no
> > restrictions except
> > I have no trees, getting them in the air is my problem, I say a military
> > type fiberglass support pole but is only
> > 30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at
> > this time.
> > My house is only 25 ft at the highest point. and very accessible, just
> the
> > air conditioning unit is quite close
> > Maybe a tripod would work on top of the house with 15ft fiberglass pole
> to
> > get that height and away from the AC unit
> > Any suggestions would be appreciated., Interested in 20 and 40 meters.
> > What is the optimal height I should shoot for;
> >
> > I have read that you don't have to be a wave length above ground. as low
> > as 11 feet for 20 meters.
> > Correct me if I am wrong
> >
> > ke7sbe
> > Mike
> >
> > >_____
> > >From: dean <mailto:deanf%40sti.net>
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Sent: Thursday, August 11, 2011 3:00 PM
> > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > >
> > >
> > >Personally if I ever replace my 80/75 / 40 meter inverted V fan dipole
> > I☐ll put up a OCF Carolina Windom for 160 ☐ 10 meters.

> > >
> > >WY6L
> > >
> > >From: Memwl
> > >Sent: Thursday, August 11, 2011 2:18 PM
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > >Reminds me of the Roll-Out dipole, just roll out the Length you need.
> > >Sounds Slick, I think I am going to try that.
> > >Ke7sbe- MIke
> > >
> > >>_____
> > >>From: dean <mailto:deanf%40sti.net>
> > >>To: mailto:ham-antennas%40yahoogroups.com
> > >>Sent: Tuesday, August 9, 2011 7:38 AM
> > >>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >>
> > >>
> > >>
> > >>I have a friend who has an 80 M loop. He has two 1□ long copper pipes
> > attached to each end of the loop. In this case bottom right corner. He
> has
> > a pair of battery cables attached to his coax and each frequency marked
> on
> > the pipes. He just comes out of the shack and attach□s it to the
> frequency
> > he wants to talk on then turns on his Henry amp and talks. No need for a
> > tuner except for the initial tunning.
> > >>
> > >>WY6L
> > >>
> > >>From: daverickmers
> > >>Sent: Tuesday, August 09, 2011 7:28 AM
> > >>To: mailto:ham-antennas%40yahoogroups.com
> > >>Subject: [ham-antennas] Re: Random wire and counterpoise
> > >>
> > >>Have you considered a wire loop? They generally work better than end-
> fed
> > wires at low elevations. They are wideband and easily matched across
> their
> > useful bandwidth.
> > >>
> > >>Dave Rickmers/kd6il
> > >>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...>
> > wrote:
> > >>>
> > >>> Don,
> > >>>

> > >>> Thanks for taking so much time to reply to my question. Lots of good
> > information.
> > >>>
> > >>> In reality I am working on 2 'Random' length antenna projects; one
> for
> > portable use and another for perminent use at home.
> > >>>
> > >>> In reasurching Random length antennas, I read that it was best to
> use
> > a non resonant length of wire, and found a chart that suggested a number
> > of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I think)
> > were 2 I was thing of using.
> > >>>
> > >>> I use a number LDG auto tuners on all my antenna projects needing a
> > tuner so was thinking of using a small 4:1 balan between the tuner and
> the
> > wire antenna and then the tuner to the FT-817 as a portable solution.
> > Using small sections of LMR-200 or RG58 as feed lines. I was not sure
> what
> > to use as the counterpoise was all. I will be visiting with my parents
> > soon and they live in the foothills and was going to bring my FT-817 and
> > some antenna ideas to experiment with (I'll bring the MP-1 just incase
> the
> > wire ideas fail in the field) Out where they live the RF noise level is
> > much lower than at home in the burbs'.
> > >>>
> > >>> The home antenna is also a problem. I live in an antenna unfriendly
> > neighborhood so I need to keep wires and structures out of sight from
> the
> > street view. The back yard is large for this area but is to small for
> long
> > random length antennas. The metal gutters messed up my ideas of wrapping
> a
> > random length wire antenna around the house. This is the price I paied
> for
> > a short commute to and from work I guess.
> > >>>
> > >>> Anyway tonight I hope to be stringing up the 84ish foot wire in a
> > modified inverted L configuration and attaching a few tuned radials to
> > test with. I will then see if the LDG100Pro can tune it or not.
> > >>>
> > >>> I am also slowly building a MagLoop that should work between 30M -
> 15M
> > but have not had time to finish it as I have been working on a few after
> > hour paying design projects, currently working on the Vac Variable Cap
> > support structure.
> > >>>
> > >>> More to follow in a few days and thanks to everyone for the
> > suggestions.

> > >>>
> > >>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@>
> > wrote:
> > >>> >
> > >>> >
> > >>> >
> > >>> > Hi Will,
> > >>> > Let's call it a random wire. "Long wire" implies a gain type wire
> > antenna that is so long that it is multiple wavelengths and the signal
> > radiating from some parts of the wire reinforce that from other parts of
> > the wire, accomplishing gain.
> > >>> >
> > >>> > I am assuming you are going to do without feedline and just hook
> the
> > antenna to your antenna coupler. The FT-817 is designed to feed a 50 Ohm
> > impedance antennna, so for multiband use, unless you add an antenna
> > coupler between the transceiver and the antenna, your random wire
> antenna
> > might cover only 2 bands if you are lucky.
> > >>> >
> > >>> > To explain further, your transceiver needs to see a 50 Ohm antenna
> > system. That can be :
> > >>> >
> > >>> > [1] an antenna (plus feedline) that is designed to present 50 Ohms
> > to the transceiver. A single band doublet or a fan type multiband dipole
> > will work or a trap type multiband dipole will work OR,
> > >>> >
> > >>> > [2] you can put an antenna coupler between the transceiver and the
> > feedline. The antenna coupler,, when adjusted right and when operating
> > within its design parameters will transform what it sees on its antenna
> > side to make it look like 50 Ohms on the transceiver side.
> > >>> >
> > >>> > In case number [2] above, the feedline between the coupler and the
> > random wire antenna will have significant losses on bands where the
> > antenna itself does not match the impedance of the feedline. This is
> true
> > unless the feedline is either very short or it is a type that has really
> > low losses even when mismatched. Examples of low loss feedlines are open
> > wire feeders or the large windowed twin lead.
> > >>> >
> > >>> > To get back to your question, If you start with the counterpoise
> of
> > equal length to the wire you have already cut, and put it at equal
> > altitude, it would make a doublet that is resonant near 7 MHz and it
> will
> > be easy for your coupler to match. You would want to shorten both wires
> a
> > little if you intend to use it on 40 meters without adding an antenna
> > coupler. If the counterpoise is in the grass, you will have to shorten

> the
> > counterpoise even further to make it resonant at the same frequency as
> > your elevated antenna hot wire.
> > >>> >
> > >>> > About the terminology:
> > >>> > By antenna coupler, I mean what most folks call an antenna tuner.
> > >>> > These come in various flavors and some are specialized for use
> with
> > the low loss balanced line (called open wire feeders, ladder line, or
> twin
> > lead)
> > >>> >
> > >>> > Here is what a fairly versatile fixed station setup would be for
> > multiband operation: Your transceiver, then a short coax cable to a link
> > coupled balanced antenna coupler, then balanced feedline to the center
> of
> > a 133 foot long doublet. The coupler could be any of the Z-match type
> > antenna couplers that are available as kits. Expect coverage on all HF
> > bands, 80 through 10. Be prepared to trim some length off of your
> balanced
> > feeder if there is a favorite band that is difficult for your antenna
> > coupler to match. And no counterpoise is necessary.
> > >>> >
> > >>> > I would encourage you to consider building your antenna coupler
> from
> > parts or a kit. Further, if you purchase some ceramic insulators and
> some
> > flexible wire, (even #18 speaker wire will do for a temporary
> experiment),
> > add some windowed twin lead, and you can build an antenna system that
> will
> > deliver more performance per dollar than a purchased wire antenna.
> > >>> >
> > >>> > If you want to keep the portable station antenna system simple,
> the
> > elevated random wire plus a slightly shorter counterpoise in the grass
> can
> > serve the purpose. If you build a L type antenna coupler and simply hook
> > your antenna wire directly to the coupler (and the counterpoise directly
> > to the coupler chassis) you should be able to adjust the L network to
> > accomplish a 50 Ohm load to keep the transciever happy. The L network is
> > simple, has no ambiguous multiple settings that might be correct, and
> > handles an extreme range of impedances. The tuning of the L network will
> > be sharp. If you have no luck accomplishing a match, reverse the network
> > so it is transforming in the opposite direction as before. High to low
> > versus low to high impedance. Or, if your antenna plus counterpoise
> > happens to be very close to 50 Ohms, just take the coupler out of the
> > circuit. An antenna system without a feedline, such as the one just
> > described, is radiating RF fairly

> > >close to the transceiver and sometimes is troubled with RF in the
> shack.
> > For an at-home antenna system, you can avoid the RF in the shack by
> having
> > a system with a feedline that locates the radiating portions of the
> > antenna away from the station.
> > >>> >
> > >>> > To answer your question regarding multiple counterpoises, one per
> > band is effective in keeping the station from having RF on the mic, key,
> > and radio chassis. be sure to insulate the far end of the quarter wave
> > counterpoises. Expect the counterpoises to carry RF current and to
> > radiate. Take that into account when locating them.
> > >>> >
> > >>> > I look forward to hearing what sort of setup you settle on.
> > >>> > 73, Don WN9V
> > >>> >
> > >>> >
> > >>> > "Will" <engineer1@> wrote:
> > >>> > >
> > >>> > >
> > >>> > > I have cut a length of wire to 35.5 Feet for uses as a non-
> > resonant long wire antenna for portable use with my FT-817.
> > >>> > >
> > >>> > > What length should I use for the counterpoise that will lie on
> > the
> > ground? Should it be the same length of should I cut one that is
> > resonant
> > at each band I am going to operate on?
> > >>> > >
> > >>> > > Thanks for any input:
> > >>> > >
> > >>> > > Will N7IPY
> > >>> > >
> > >>> >
> > >>>
> > >>
> > >>[Non-text portions of this message have been removed]
> > >>
> > >>
> > >>
> > >>
> > >>
> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >
> > >

> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19176. Re: Visual SWR.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 16:24:44 UTC
From: k6jf_radio
Topic: 19149 Message: 19176

Good video, a good primer for newbies!

Jim K6JF

19177. AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 20:27:23 UTC
From: Siegfried Jackstien
Topic: 19125 Message: 19177

Sadly the trip to your home is a bit far form e :-)
I would like to build that loop for you :-)
For a steak and some beer *g*
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Freitag, 12. August 2011 15:21
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> Well I have one tree in the front yard about 70 ft. from my radio. Not
> sure how high it is and forgot my basic math on how to calculate the
> height of a tree. I know its taller than the house but it□s a Chinese
> Tallow tree and no real high single branch. I have some taller trees about
> 1 ft from the house but at a much lower elevation. I sit on top of a bluff
> at about 2250 Ft up. My inverted V fan dipole is 75 M N to S and the 40
> meter leg is E to W. I have a very low angle of radiation as 12 ft from
> the apex of that dipole the ground drops off to sea leval some miles away,
> SW to W.
>
> I also thought about a pole in the front yard next to the house (of
> course I would need the wife□s permission) and put up a delta loop there.
>
> I thought about putting up a loop over the house, big house. But not too
> sure about it over my head. The roof is all 2 X 12 boards and the
> composite shingles over that. In the center of the attic I can stand up my
> full 6□6□ and have a lot more room over my head.
>
> The house is 3500 sq ft.
>
> I□m also 67 years old and disabled so I would have to have some local hams
> come over and do the work for me. I always get a bunch of steaks and the
> wife cooks a great meal for them.
>
> WY6L
>
> From: Siegfried Jackstien
> Sent: Friday, August 12, 2011 8:05 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> Subject: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
> How far are the trees away?
> Ever thought of making a BIG LOOP???
> Dg9bfc
> Sigi
> Ps I have a topbandloop here and if I had the room I would double it :-)
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von dean
> > Gesendet: Freitag, 12. August 2011 13:21
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> >
> > I been thinking of making a Delta Loop. So I□m looking around the net
> for
> > ideas of what to use to make the loop more efficient. I read a nice
> > article of a single band delta that the bottom of the loop is only 14
> ft.
> > off the ground.
> >
> > http://w5sdc.net/delta_loop_for_hf.htm
> >
> > Looks very interesting as I□m looking for one for 17 meters. I have the
> > space to put up a multiple band delta loop. Unfortunately I can□t get it
> > higher than 44 ft. off the ground. I can put the apex just below my beam
> > which is about 45 ft. off the ground.
> >
> > My problem is I don□t have any trees close to the house and I sit on
> > decomposed granite and its very hard to dig a hole. So I can use guyed
> > push up poles for the center and tie it off on the house.
> >
> > WY6L
> >
> > From: Siegfried Jackstien
> > Sent: Friday, August 12, 2011 4:58 AM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: AW: [ham-antennas] Re: Random wire and counterpoise
> >
> > A horizontal dipole for 40 has to be high up in the air (min 60 feet) to
> > show a low elevation angle... but if you make a fullzize loop for
> TOPBAND
> > ... it will even work if it is only 40 to 50 feet high ....
> > If the loop is very big (and topband loop is big on 40m band!) the

> > elevation
> > angle goes down ....
> > The effect is a bit like on a longwire ... when fed on higher band and
> you
> > have more wavelengths on that wire the lobes go more in the direction of
> > the
> > wire instead of 90 degrees like in a dipole
> >
> > I havw my topband loop only 30-40 feet up ... so I would say : give it a
> > try
> > if you have the room for it
> > Feed it with ladderline and you have a real multibander with low loss
> and
> > high gain :-)
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > antennas%40yahoogroups.com] Im
> > > Auftrag von dean
> > > Gesendet: Freitag, 12. August 2011 03:40
> > > An: mailto:ham-antennas%40yahoogroups.com
> > > Betreff: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > >
> > >
> > > I went to several web sites on the OCF Carolina Windom.
> > >
> > > http://hamcall.net/7bandocf.html
> > >
> > > I only visited the one above tonight. I believe you□d want it at least
> > 40
> > > ft. in the air. My inverted V is about 45 ft., its just under my beam
> > > antenna.
> > >
> > > You could just put up a pole and guy it with a pulley at the top with
> > lots
> > > of rope thru the pulley for hauling up the antenna.
> > >
> > > I□m like you I have a lot of property but no trees close to the house.
> > > Most of my trees are a lot lower than my house. I live in the
> mountains.
> > > Now if I could just talk the wife into letting me put up some poles in
> > the
> > > front yard
> > >
> > > I□d love to put up a loop but not enough poles to hold it up in the
> air

> > > high enough.
> > >
> > > WY6L
> > >
> > > From: Memwl
> > > Sent: Thursday, August 11, 2011 7:51 PM
> > > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com>
> > > Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > > OCF Carolina Windom for 160 ☐ 10 meters.
> > >
> > > I have read a lot on this type antenna.
> > > I have so much to learn about different types of wire antennas.
> > > I want to try as many types that my back yard will hold, I have no
> > > restrictions except
> > > I have no trees, getting them in the air is my problem, I say a
> military
> > > type fiberglass support pole but is only
> > > 30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at
> > > this time.
> > > My house is only 25 ft at the highest point. and very accessible, just
> > the
> > > air conditioning unit is quite close
> > > Maybe a tripod would work on top of the house with 15ft fiberglass
> pole
> > to
> > > get that height and away from the AC unit
> > > Any suggestions would be appreciated., Interested in 20 and 40 meters.
> > > What is the optimal height I should shoot for;
> > >
> > > I have read that you don't have to be a wave length above ground. as
> low
> > > as 11 feet for 20 meters.
> > > Correct me if I am wrong
> > >
> > > ke7sbe
> > > Mike
> > >
> > >_____
> > >From: dean <mailto:deanf%40sti.net>
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Sent: Thursday, August 11, 2011 3:00 PM
> > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > >
> > >
> > >Personally if I ever replace my 80/75 / 40 meter inverted V fan
> dipole

> > > I□ll put up a OCF Carolina Windom for 160 □ 10 meters.
> > > >
> > > >WY6L
> > > >
> > > >From: Memwl
> > > >Sent: Thursday, August 11, 2011 2:18 PM
> > > >To: mailto:ham-antennas%40yahoogroups.com
> > > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > > >
> > > >Reminds me of the Roll-Out dipole, just roll out the Length you need.
> > > >Sounds Slick, I think I am going to try that.
> > > >Ke7sbe- MIke
> > > >
> > > >>_____
> > > >>From: dean <mailto:deanf%40sti.net>
> > > >>To: mailto:ham-antennas%40yahoogroups.com
> > > >>Sent: Tuesday, August 9, 2011 7:38 AM
> > > >>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > > >>
> > > >>
> > > >>
> > > >>I have a friend who has an 80 M loop. He has two 1□ long copper
> pipes
> > > attached to each end of the loop. In this case bottom right corner. He
> > has
> > > a pair of battery cables attached to his coax and each frequency
> marked
> > on
> > > the pipes. He just comes out of the shack and attach□s it to the
> > frequency
> > > he wants to talk on then turns on his Henry amp and talks. No need for
> a
> > > tuner except for the initial tunning.
> > > >>
> > > >>WY6L
> > > >>
> > > >>From: daverickmers
> > > >>Sent: Tuesday, August 09, 2011 7:28 AM
> > > >>To: mailto:ham-antennas%40yahoogroups.com
> > > >>Subject: [ham-antennas] Re: Random wire and counterpoise
> > > >>
> > > >>Have you considered a wire loop? They generally work better than
> end-
> > fed
> > > wires at low elevations. They are wideband and easily matched across
> > their
> > > useful bandwidth.
> > > >>
> > > >>Dave Rickmers/kd6il

> > > >>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...>
> > > wrote:
> > > >>>
> > > >>> Don,
> > > >>>
> > > >>> Thanks for taking so much time to reply to my question. Lots of
> good
> > > information.
> > > >>>
> > > >>> In reality I am working on 2 'Random' length antenna projects; one
> > for
> > > portable use and another for perminent use at home.
> > > >>>
> > > >>> In reasurching Random length antennas, I read that it was best to
> > use
> > > a non resonant length of wire, and found a chart that suggested a
> number
> > > of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I
> think)
> > > were 2 I was thing of using.
> > > >>>
> > > >>> I use a number LDG auto tuners on all my antenna projects needing
> a
> > > tuner so was thinking of using a small 4:1 balan between the tuner and
> > the
> > > wire antenna and then the tuner to the FT-817 as a portable solution.
> > > Using small sections of LMR-200 or RG58 as feed lines. I was not sure
> > what
> > > to use as the counterpoise was all. I will be visiting with my parents
> > > soon and they live in the foothills and was going to bring my FT-817
> and
> > > some antenna ideas to experiment with (I'll bring the MP-1 just incase
> > the
> > > wire ideas fail in the field) Out where they live the RF noise level
> is
> > > much lower than at home in the burbs'.
> > > >>>
> > > >>> The home antenna is also a problem. I live in an antenna
> unfriendly
> > > neighborhood so I need to keep wires and structures out of sight from
> > the
> > > street view. The back yard is large for this area but is to small for
> > long
> > > random length antennas. The metal gutters messed up my ideas of
> wrapping
> > a
> > > random length wire antenna around the house. This is the price I paied
> > for
> > > a short commute to and from work I guess.

> > > >>>
> > > >>> Anyway tonight I hope to be stringing up the 84ish foot wire in a
> > > modified inverted L configuration and attaching a few tuned radials to
> > > test with. I will then see if the LDG100Pro can tune it or not.
> > > >>>
> > > >>> I am also slowly building a MagLoop that should work between 30M -
> > 15M
> > > but have not had time to finish it as I have been working on a few
> after
> > > hour paying design projects, currently working on the Vac Variable Cap
> > > support structure.
> > > >>>
> > > >>> More to follow in a few days and thanks to everyone for the
> > > suggestions.
> > > >>>
> > > >>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@>
> > > wrote:
> > > >>> >
> > > >>> >
> > > >>> >
> > > >>> > Hi Will,
> > > >>> > Let's call it a random wire. "Long wire" implies a gain type
> wire
> > > antenna that is so long that it is multiple wavelengths and the signal
> > > radiating from some parts of the wire reinforce that from other parts
> of
> > > the wire, accomplishing gain.
> > > >>> >
> > > >>> > I am assuming you are going to do without feedline and just hook
> > the
> > > antenna to your antenna coupler. The FT-817 is designed to feed a 50
> Ohm
> > > impedance antennna, so for multiband use, unless you add an antenna
> > > coupler between the transceiver and the antenna, your random wire
> > antenna
> > > might cover only 2 bands if you are lucky.
> > > >>> >
> > > >>> > To explain further, your transceiver needs to see a 50 Ohm
> antenna
> > > system. That can be :
> > > >>> >
> > > >>> > [1] an antenna (plus feedline) that is designed to present 50
> Ohms
> > > to the transceiver. A single band doublet or a fan type multiband
> dipole
> > > will work or a trap type multiband dipole will work OR,
> > > >>> >
> > > >>> > [2] you can put an antenna coupler between the transceiver and
> the

> > > feedline. The antenna coupler,, when adjusted right and when operating
> > > within its design parameters will transform what it sees on its
> antenna
> > > side to make it look like 50 Ohms on the transceiver side.
> > > >>> >
> > > >>> > In case number [2] above, the feedline between the coupler and
> the
> > > random wire antenna will have significant losses on bands where the
> > > antenna itself does not match the impedance of the feedline. This is
> > true
> > > unless the feedline is either very short or it is a type that has
> really
> > > low losses even when mismatched. Examples of low loss feedlines are
> open
> > > wire feeders or the large windowed twin lead.
> > > >>> >
> > > >>> > To get back to your question, If you start with the counterpoise
> > of
> > > equal length to the wire you have already cut, and put it at equal
> > > altitude, it would make a doublet that is resonant near 7 MHz and it
> > will
> > > be easy for your coupler to match. You would want to shorten both
> wires
> > a
> > > little if you intend to use it on 40 meters without adding an antenna
> > > coupler. If the counterpoise is in the grass, you will have to shorten
> > the
> > > counterpoise even further to make it resonant at the same frequency as
> > > your elevated antenna hot wire.
> > > >>> >
> > > >>> > About the terminology:
> > > >>> > By antenna coupler, I mean what most folks call an antenna
> tuner.
> > > >>> > These come in various flavors and some are specialized for use
> > with
> > > the low loss balanced line (called open wire feeders, ladder line, or
> > twin
> > > lead)
> > > >>> >
> > > >>> > Here is what a fairly versatile fixed station setup would be for
> > > multiband operation: Your transceiver, then a short coax cable to a
> link
> > > coupled balanced antenna coupler, then balanced feedline to the center
> > of
> > > a 133 foot long doublet. The coupler could be any of the Z-match type
> > > antenna couplers that are available as kits. Expect coverage on all HF
> > > bands, 80 through 10. Be prepared to trim some length off of your
> > balanced
> > > feeder if there is a favorite band that is difficult for your antenna

> > > coupler to match. And no counterpoise is necessary.
> > > >>> >
> > > >>> > I would encourage you to consider building your antenna coupler
> > from
> > > parts or a kit. Further, if you purchase some ceramic insulators and
> > some
> > > flexible wire, (even #18 speaker wire will do for a temporary
> > experiment),
> > > add some windowed twin lead, and you can build an antenna system that
> > will
> > > deliver more performance per dollar than a purchased wire antenna.
> > > >>> >
> > > >>> > If you want to keep the portable station antenna system simple,
> > the
> > > elevated random wire plus a slightly shorter counterpoise in the grass
> > can
> > > serve the purpose. If you build a L type antenna coupler and simply
> hook
> > > your antenna wire directly to the coupler (and the counterpoise
> directly
> > > to the coupler chassis) you should be able to adjust the L network to
> > > accomplish a 50 Ohm load to keep the transciever happy. The L network
> is
> > > simple, has no ambiguous multiple settings that might be correct, and
> > > handles an extreme range of impedances. The tuning of the L network
> will
> > > be sharp. If you have no luck accomplishing a match, reverse the
> network
> > > so it is transforming in the opposite direction as before. High to low
> > > versus low to high impedance. Or, if your antenna plus counterpoise
> > > happens to be very close to 50 Ohms, just take the coupler out of the
> > > circuit. An antenna system without a feedline, such as the one just
> > > described, is radiating RF fairly
> > > >close to the transceiver and sometimes is troubled with RF in the
> > shack.
> > > For an at-home antenna system, you can avoid the RF in the shack by
> > having
> > > a system with a feedline that locates the radiating portions of the
> > > antenna away from the station.
> > > >>> >
> > > >>> > To answer your question regarding multiple counterpoises, one
> per
> > > band is effective in keeping the station from having RF on the mic,
> key,
> > > and radio chassis. be sure to insulate the far end of the quarter wave
> > > counterpoises. Expect the counterpoises to carry RF current and to
> > > radiate. Take that into account when locating them.
> > > >>> >
> > > >>> > I look forward to hearing what sort of setup you settle on.

> > > >>> > 73, Don WN9V
> > > >>> >
> > > >>> >
> > > >>> > "Will" <engineer1@> wrote:
> > > >>> > >
> > > >>> > > I have cut a length of wire to 35.5 Feet for uses as a non-
> > > resonant long wire antenna for portable use with my FT-817.
> > > >>> > >
> > > >>> > > What length should I use for the counterpoise that will lie on
> > the
> > > ground? Should it be the same length of should I cut one that is
> > resonant
> > > at each band I am going to operate on?
> > > >>> > >
> > > >>> > > Thanks for any input:
> > > >>> > >
> > > >>> > > Will N7IPY
> > > >>> > >
> > > >>> >
> > > >>>
> > > >>
> > > >>[Non-text portions of this message have been removed]
> > > >>
> > > >>
> > > >>
> > > >>
> > > >>
> > > >
> > > >[Non-text portions of this message have been removed]
> > > >
> > > >[Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > > [Non-text portions of this message have been removed]
> > > >
> > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
> > > >
> > >
> > [Non-text portions of this message have been removed]
> >
> >

> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19178. Re: [ham-antennas] SWR & handheld antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 20:50:09 UTC
From: Andy
Topic: 19144 Message: 19178

> I am using pieces of bare circuit board material (FR4/fiberglass) with
> copper tape laid out on them for the "elements".

Interesting. What made you go this way? I'd have thought that the
extra weight and air resistance might be detractors, compared to stiff
wire alone.

I think the PC board material will affect the tuning and impedance of
the elements. It makes a higher effective dielectric constant near
each element, so they are electrically longer than their physical
length.

> Doesn't the fact that holding the antenna in your hand affect the
> tuning/SWR?

Somewhat.

> How does one compensate for this?

By trial and error, I suspect.

> I used one of several online calculators to work out the element lengths
> and spacing. Do you think those values need to be adjusted based
> upon my construction methods and materials?

Probably. See above.

> Lastly, I have seen descriptions that both require and don't require a balun
> to feed the driven element.

From what I've seen, a balun for balanced/unbalanced transition may be
desirable, but you can get away without it, if you don't mind some
pattern distortion.

A balun as an impedance matching device, depends on how you feed the
driven element. Some methods give you enough adjustment range so a
separate balun for that purpose isn't needed.

Regards,
Andy

19179. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-12 23:51:10 UTC
From: Ron Youvan
Topic: 19125 Message: 19179

Memwl ke7sbe wrote:

> OCF Carolina Windom for 160 – 10 meters.

Until you have two supports build yourself a 20 and 40 meter fan dipole and erect it as an inverted "V" and operate.

> I have read a lot on this type antenna.
> I have so much to learn about different types of wire antennas.
> I want to try as many types that my back yard will hold, I have no restrictions except
> I have no trees, getting them in the air is my problem, I say a military type fiberglass support
> pole but is only
> 30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at this time.
> My house is only 25 ft at the highest point. and very accessible, just the air conditioning unit is
> quite close
> ? Maybe a tripod would work on top of the house with 15ft fiberglass pole to get that height and
> away from the AC unit
> Any suggestions would be appreciated., Interested in 20 and 40 meters. What is the optimal height
> I should shoot for;
>
> I have read that you don't have to be a wave length above ground. as low as 11 feet for 20 meters.
> Correct me if I am wrong

--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19180. Re: [ham-antennas] SWR & handheld antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 02:34:28 UTC
From: Larry Tooley
Topic: 19144 Message: 19180

GE commercial radios used to make inductors as spiral circuit board traces.
----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Friday, August 12, 2011 3:50 PM
Subject: Re: [ham-antennas] SWR & handheld antennas

> I am using pieces of bare circuit board material (FR4/fiberglass) with
> copper tape laid out on them for the "elements".

Interesting. What made you go this way? I'd have thought that the
extra weight and air resistance might be detractors, compared to stiff
wire alone.

I think the PC board material will affect the tuning and impedance of
the elements. It makes a higher effective dielectric constant near
each element, so they are electrically longer than their physical
length.

> Doesn't the fact that holding the antenna in your hand affect the
> tuning/SWR?

Somewhat.

> How does one compensate for this?

By trial and error, I suspect.

> I used one of several online calculators to work out the element lengths
> and spacing. Do you think those values need to be adjusted based
> upon my construction methods and materials?

Probably. See above.

> Lastly, I have seen descriptions that both require and don't require a
balun
> to feed the driven element.

From what I've seen, a balun for balanced/unbalanced transition may be
desirable, but you can get away without it, if you don't mind some
pattern distortion.

A balun as an impedance matching device, depends on how you feed the
driven element. Some methods give you enough adjustment range so a
separate balun for that purpose isn't needed.

Regards,
Andy

[Non-text portions of this message have been removed]

19181. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 02:52:15 UTC
From: Larry Tooley
Topic: 19151 Message: 19181

great news. If your dipole is held up by wire at the ends it shortens the
dipole electrically. Then you use the dipole length formula 468/Freq in mHz
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Friday, August 12, 2011 6:49 AM
Subject: AW: [ham-antennas] need quick answer

You have just to remember :
A standard dipole is formerly known as HALFWAVE DIPOLE
So 3.5-3.8 >>> 80m BAND >>> 40m DIPOLE >>> 20m each LEG ....
The leg is a QUARTERWAVE length
Greetz
Sigi
Dg9bfc

Ps rule of thump 300 divided by mhz = meters

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com]
Im
> Auftrag von Dale H. Cole K8TS
> Gesendet: Freitag, 12. August 2011 02:29
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] need quick answer
>
>
>
>
>
> I had measured the wire in meters instead of feet. I could not remember
> to cut in half (i.e. 20 meters each leg) or if the 40 meters made up one
> leg (i.e. 80 meter dipole uses 40 meters each leg) Never was very good
at
> math, and add to that the complexity of high tech electronics, well once
> in a while it causes a short between the headphones :
>
> Dale K8TS
>
> ----- Original Message -----
>
> From: "dean" <deanf@... <mailto:deanf%40sti.net> >
> To: ham-antennas@...m <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, August 11, 2011 5:57:28 PM
> Subject: Re: [ham-antennas] need quick answer
>

>
>
> A resonate antenna for 3.8 MHz would be 123.16 ft or 61.58 ft per side.
I
> might be really confused but 3.8 to me means 80/75 meters not 40 meters.
> WY6L
> From: Dale H. Cole K8TS
> Sent: Thursday, August 11, 2011 1:20 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] need quick answer
>
> THAT'S the answer I was looking for Brian! Ron was good job trying to
> explain the operation, but I had forgot WHERE to cut it.......Thanks to
> you both!!
>
> Dale K8TS
>
> ----- Original Message -----
>
> From: "Brian Craig" <mailto:b.craig%40wildblue.net>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Thursday, August 11, 2011 4:01:30 PM
> Subject: Re: [ham-antennas] need quick answer
>
> 468/3.8 gives you the total length +- divide by 2 for each side roughly
20
> meters per side.
>
> Brian K6FTY
>
> ----- Original Message -----
> From: Dale H. Cole K8TS
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Thursday, August 11, 2011 12:38 PM
> Subject: Re: [ham-antennas] need quick answer
>
> Thanks for the answer Ron.
>
> I am having a stupid attact. The wire has been cut at a lenght of 40
> meters. Is each leg 20 meters, or 40 meters for a resonate antenna for
3.8
> (+/-) trimming
>
> Dale
>
> ----- Original Message -----
>
> From: "Ron Youvan" < mailto:ka4inm%40tampabay.rr.com >
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Thursday, August 11, 2011 2:51:38 PM

> Subject: Re: [ham-antennas] need quick answer
>
> Hi Dale H. Cole K8TS:
>
> > am building inverted "V" for 3.8 meg.Â I have 40 meters of wire
sunning
> its self right now.Â Do I
> > need to make each leg 20 meters (~1/4) or do I need to have another 40
> meters of wire additional for
> > the other leg?
> >
> > Elementary question, but I forgot, and can't find a definitive answer
in
> my wire antenna bookÂ
>
> An inverted "V" antenna is simply a dipole with only one center support.
> Because the ends are closer to the ground compared to a common dipole
the
> capacity at the ends will
> be greater so it will tune a bit lower in frequency depending on how low
> to the ground the ends are.
>
> This is not a problem if you loop back 6' of wire at the end insulators
> and secure the loop with
> a "split bolt" at the ends, then you can tune it from the ground. (by
> loosening the rope or cord)
> --
> Ron KA4INM - I've been carving my initials on trees and furniture all my
> life
> 'course I didn't use my own initials, I'm not stupid ... Earl Pitts
4-2-9
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19182. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 04:09:38 UTC
From: Dale H. Cole K8TS
Topic: 19151 Message: 19182

Even greater Larry. I have finally cut the wire (longer than needed, of course), and am about to climb the tower to replace the pulley that come down when last lowered (ha, never have to climb again now that I have pulley system...ya right!) Mother being the power of invention, I found a new center insulator though. I took an old credit card and drilled a hole on each side to hook shield and center conductor to. Then drilled another in middle to act as center insulator. I think it's pretty neat, but time will tell.

Thanks to every one for your input.

Dale K8TS

----- Original Message -----

From: "Larry Tooley" <wa9guu@charter.net>
To: ham-antennas@yahoogroups.com
Sent: Friday, August 12, 2011 10:52:15 PM
Subject: Re: [ham-antennas] need quick answer

great news. If your dipole is held up by wire at the ends it shortens the
dipole electrically. Then you use the dipole length formula 468/Freq in mHz
----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Friday, August 12, 2011 6:49 AM
Subject: AW: [ham-antennas] need quick answer

You have just to remember :
A standard dipole is formerly known as HALFWAVE DIPOLE
So 3.5-3.8 >>> 80m BAND >>> 40m DIPOLE >>> 20m each LEG ....
The leg is a QUARTERWAVE length
Greetz
Sigi
Dg9bfc

Ps rule of thump 300 divided by mhz = meters

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto: ham-antennas@yahoogroups.com]
Im
> Auftrag von Dale H. Cole K8TS
> Gesendet: Freitag, 12. August 2011 02:29
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] need quick answer
>
>
>
>

>
> I had measured the wire in meters instead of feet. I could not remember
> to cut in half (i.e. 20 meters each leg) or if the 40 meters made up one
> leg (i.e. 80 meter dipole uses 40 meters each leg) Never was very good
at
> math, and add to that the complexity of high tech electronics, well once
> in a while it causes a short between the headphones :
>
> Dale K8TS
>
> ----- Original Message -----
>
> From: "dean" < deanf@... <mailto:deanf%40sti.net> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, August 11, 2011 5:57:28 PM
> Subject: Re: [ham-antennas] need quick answer
>
>
>
> A resonate antenna for 3.8 MHz would be 123.16 ft or 61.58 ft per side.
I
> might be really confused but 3.8 to me means 80/75 meters not 40 meters.
> WY6L
> From: Dale H. Cole K8TS
> Sent: Thursday, August 11, 2011 1:20 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] need quick answer
>
> THAT'S the answer I was looking for Brian! Ron was good job trying to
> explain the operation, but I had forgot WHERE to cut it.......Thanks to
> you both!!
>
> Dale K8TS
>
> ----- Original Message -----
>
> From: "Brian Craig" <mailto:b.craig%40wildblue.net>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Thursday, August 11, 2011 4:01:30 PM
> Subject: Re: [ham-antennas] need quick answer
>
> 468/3.8 gives you the total length +- divide by 2 for each side roughly
20
> meters per side.
>
> Brian K6FTY
>
> ----- Original Message -----
> From: Dale H. Cole K8TS
> To: mailto:ham-antennas%40yahoogroups.com

> Sent: Thursday, August 11, 2011 12:38 PM
> Subject: Re: [ham-antennas] need quick answer
>
> Thanks for the answer Ron.
>
> I am having a stupid attact. The wire has been cut at a lenght of 40
> meters. Is each leg 20 meters, or 40 meters for a resonate antenna for
3.8
> (+/-) trimming
>
> Dale
>
> ----- Original Message -----
>
> From: "Ron Youvan" < mailto:ka4inm%40tampabay.rr.com >
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Thursday, August 11, 2011 2:51:38 PM
> Subject: Re: [ham-antennas] need quick answer
>
> Hi Dale H. Cole K8TS:
>
> > am building inverted "V" for 3.8 meg.Â I have 40 meters of wire
sunning
> its self right now.Â Do I
> > need to make each leg 20 meters (~1/4) or do I need to have another 40
> meters of wire additional for
> > the other leg?
> >
> > Elementary question, but I forgot, and can't find a definitive answer
in
> my wire antenna bookÂ
>
> An inverted "V" antenna is simply a dipole with only one center support.
> Because the ends are closer to the ground compared to a common dipole
the
> capacity at the ends will
> be greater so it will tune a bit lower in frequency depending on how low
> to the ground the ends are.
>
> This is not a problem if you loop back 6' of wire at the end insulators
> and secure the loop with
> a "split bolt" at the ends, then you can tune it from the ground. (by
> loosening the rope or cord)
> --
> Ron KA4INM - I've been carving my initials on trees and furniture all my
> life
> 'course I didn't use my own initials, I'm not stupid ... Earl Pitts
4-2-9
>
> [Non-text portions of this message have been removed]

>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19183. Re: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 05:06:34 UTC
From: dean
Topic: 19125 Message: 19183

You would have to bring your own beer. Sadly USA beer can't compare to good German beer. I don't know if I would have ever quit drinking if I'd still be in Germany'

73, WY6L

Dean

From: Siegfried Jackstien
Sent: Friday, August 12, 2011 1:27 PM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Sadly the trip to your home is a bit far form e :-)
I would like to build that loop for you :-)
For a steak and some beer *g*
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Freitag, 12. August 2011 15:21
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> Well I have one tree in the front yard about 70 ft. from my radio. Not
> sure how high it is and forgot my basic math on how to calculate the
> height of a tree. I know its taller than the house but it□s a Chinese
> Tallow tree and no real high single branch. I have some taller trees about
> 1 ft from the house but at a much lower elevation. I sit on top of a bluff
> at about 2250 Ft up. My inverted V fan dipole is 75 M N to S and the 40
> meter leg is E to W. I have a very low angle of radiation as 12 ft from
> the apex of that dipole the ground drops off to sea leval some miles away,
> SW to W.
>
> I also thought about a pole in the front yard next to the house (of
> course I would need the wife□s permission) and put up a delta loop there.
>
> I thought about putting up a loop over the house, big house. But not too
> sure about it over my head. The roof is all 2 X 12 boards and the
> composite shingles over that. In the center of the attic I can stand up my
> full 6□6□ and have a lot more room over my head.
>

> The house is 3500 sq ft.
>
> I□m also 67 years old and disabled so I would have to have some local hams
> come over and do the work for me. I always get a bunch of steaks and the
> wife cooks a great meal for them.
>
> WY6L
>
> From: Siegfried Jackstien
> Sent: Friday, August 12, 2011 8:05 AM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
> How far are the trees away?
> Ever thought of making a BIG LOOP???
> Dg9bfc
> Sigi
> Ps I have a topbandloop here and if I had the room I would double it :-)
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von dean
> > Gesendet: Freitag, 12. August 2011 13:21
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> >
> > I been thinking of making a Delta Loop. So I□m looking around the net
> for
> > ideas of what to use to make the loop more efficient. I read a nice
> > article of a single band delta that the bottom of the loop is only 14
> ft.
> > off the ground.
> >
> > http://w5sdc.net/delta_loop_for_hf.htm
> >
> > Looks very interesting as I□m looking for one for 17 meters. I have the
> > space to put up a multiple band delta loop. Unfortunately I can□t get it
> > higher than 44 ft. off the ground. I can put the apex just below my beam
> > which is about 45 ft. off the ground.
> >
> > My problem is I don□t have any trees close to the house and I sit on
> > decomposed granite and its very hard to dig a hole. So I can use guyed
> > push up poles for the center and tie it off on the house.
> >
> > WY6L
> >

> > From: Siegfried Jackstien
> > Sent: Friday, August 12, 2011 4:58 AM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: AW: [ham-antennas] Re: Random wire and counterpoise
> >
> > A horizontal dipole for 40 has to be high up in the air (min 60 feet) to
> > show a low elevation angle... but if you make a fullzize loop for
> TOPBAND
> > ... it will even work if it is only 40 to 50 feet high ....
> > If the loop is very big (and topband loop is big on 40m band!) the
> > elevation
> > angle goes down ....
> > The effect is a bit like on a longwire ... when fed on higher band and
> you
> > have more wavelengths on that wire the lobes go more in the direction of
> > the
> > wire instead of 90 degrees like in a dipole
> >
> > I havw my topband loop only 30-40 feet up ... so I would say : give it a
> > try
> > if you have the room for it
> > Feed it with ladderline and you have a real multibander with low loss
> and
> > high gain :-)
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > antennas%40yahoogroups.com] Im
> > > Auftrag von dean
> > > Gesendet: Freitag, 12. August 2011 03:40
> > > An: mailto:ham-antennas%40yahoogroups.com
> > > Betreff: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > >
> > >
> > > I went to several web sites on the OCF Carolina Windom.
> > >
> > > http://hamcall.net/7bandocf.html
> > >
> > > I only visited the one above tonight. I believe you□d want it at least
> > 40
> > > ft. in the air. My inverted V is about 45 ft., its just under my beam
> > > antenna.
> > >
> > > You could just put up a pole and guy it with a pulley at the top with
> > lots

> > > of rope thru the pulley for hauling up the antenna.
> > >
> > > I☐m like you I have a lot of property but no trees close to the house.
> > > Most of my trees are a lot lower than my house. I live in the
> mountains.
> > > Now if I could just talk the wife into letting me put up some poles in
> > the
> > > front yard
> > >
> > > I☐d love to put up a loop but not enough poles to hold it up in the
> air
> > > high enough.
> > >
> > > WY6L
> > >
> > > From: Memwl
> > > Sent: Thursday, August 11, 2011 7:51 PM
> > > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com>
> > > Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > >
> > > OCF Carolina Windom for 160 ☐ 10 meters.
> > >
> > > I have read a lot on this type antenna.
> > > I have so much to learn about different types of wire antennas.
> > > I want to try as many types that my back yard will hold, I have no
> > > restrictions except
> > > I have no trees, getting them in the air is my problem, I say a
> military
> > > type fiberglass support pole but is only
> > > 30 ft high. I wanted to get at least 40 ft, I cannot afford a tower at
> > > this time.
> > > My house is only 25 ft at the highest point. and very accessible, just
> > the
> > > air conditioning unit is quite close
> > > Maybe a tripod would work on top of the house with 15ft fiberglass
> pole
> > to
> > > get that height and away from the AC unit
> > > Any suggestions would be appreciated., Interested in 20 and 40 meters.
> > > What is the optimal height I should shoot for;
> > >
> > > I have read that you don't have to be a wave length above ground. as
> low
> > > as 11 feet for 20 meters.
> > > Correct me if I am wrong
> > >
> > > ke7sbe
> > > Mike

> > >
> > > >_____
> > > >From: dean <mailto:deanf%40sti.net>
> > > >To: mailto:ham-antennas%40yahoogroups.com
> > > >Sent: Thursday, August 11, 2011 3:00 PM
> > > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > > >
> > > >
> > > >
> > > >Personally if I ever replace my 80/75 / 40 meter inverted V fan
> dipole
> > > I☐ll put up a OCF Carolina Windom for 160 ☐ 10 meters.
> > > >
> > > >WY6L
> > > >
> > > >From: Memwl
> > > >Sent: Thursday, August 11, 2011 2:18 PM
> > > >To: mailto:ham-antennas%40yahoogroups.com
> > > >Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > > >
> > > >Reminds me of the Roll-Out dipole, just roll out the Length you need.
> > > >Sounds Slick, I think I am going to try that.
> > > >Ke7sbe- MIke
> > > >
> > > >>_____
> > > >>From: dean <mailto:deanf%40sti.net>
> > > >>To: mailto:ham-antennas%40yahoogroups.com
> > > >>Sent: Tuesday, August 9, 2011 7:38 AM
> > > >>Subject: Re: [ham-antennas] Re: Random wire and counterpoise
> > > >>
> > > >>
> > > >>
> > > >>I have a friend who has an 80 M loop. He has two 1☐ long copper
> pipes
> > > > attached to each end of the loop. In this case bottom right corner. He
> > > has
> > > > a pair of battery cables attached to his coax and each frequency
> marked
> > > on
> > > > the pipes. He just comes out of the shack and attach☐s it to the
> > > frequency
> > > > he wants to talk on then turns on his Henry amp and talks. No need for
> a
> > > > tuner except for the initial tunning.
> > > >>
> > > >>WY6L
> > > >>
> > > >>From: daverickmers
> > > >>Sent: Tuesday, August 09, 2011 7:28 AM

> > > >>To: mailto:ham-antennas%40yahoogroups.com
> > > >>Subject: [ham-antennas] Re: Random wire and counterpoise
> > > >>
> > > >>Have you considered a wire loop? They generally work better than
> end-
> > fed
> > > wires at low elevations. They are wideband and easily matched across
> > their
> > > useful bandwidth.
> > > >>
> > > >>Dave Rickmers/kd6il
> > > >>--- In mailto:ham-antennas%40yahoogroups.com, "Will" <engineer1@...>
> > > wrote:
> > > >>>
> > > >>> Don,
> > > >>>
> > > >>> Thanks for taking so much time to reply to my question. Lots of
> good
> > > information.
> > > >>>
> > > >>> In reality I am working on 2 'Random' length antenna projects; one
> > for
> > > portable use and another for perminent use at home.
> > > >>>
> > > >>> In reasurching Random length antennas, I read that it was best to
> > use
> > > a non resonant length of wire, and found a chart that suggested a
> number
> > > of lengths that are non-reaonate on the ham bands, 35.5 and 84 (I
> think)
> > > were 2 I was thing of using.
> > > >>>
> > > >>> I use a number LDG auto tuners on all my antenna projects needing
> a
> > > tuner so was thinking of using a small 4:1 balan between the tuner and
> > the
> > > wire antenna and then the tuner to the FT-817 as a portable solution.
> > > Using small sections of LMR-200 or RG58 as feed lines. I was not sure
> > what
> > > to use as the counterpoise was all. I will be visiting with my parents
> > > soon and they live in the foothills and was going to bring my FT-817
> and
> > > some antenna ideas to experiment with (I'll bring the MP-1 just incase
> > the
> > > wire ideas fail in the field) Out where they live the RF noise level
> is
> > > much lower than at home in the burbs'.
> > > >>>
> > > >>> The home antenna is also a problem. I live in an antenna

> unfriendly
> > > neighborhood so I need to keep wires and structures out of sight from
> > the
> > > street view. The back yard is large for this area but is to small for
> > long
> > > random length antennas. The metal gutters messed up my ideas of
> wrapping
> > a
> > > random length wire antenna around the house. This is the price I paied
> > for
> > > a short commute to and from work I guess.
> > > >>>
> > > >>> Anyway tonight I hope to be stringing up the 84ish foot wire in a
> > > modified inverted L configuration and attaching a few tuned radials to
> > > test with. I will then see if the LDG100Pro can tune it or not.
> > > >>>
> > > >>> I am also slowly building a MagLoop that should work between 30M -
> > 15M
> > > but have not had time to finish it as I have been working on a few
> after
> > > hour paying design projects, currently working on the Vac Variable Cap
> > > support structure.
> > > >>>
> > > >>> More to follow in a few days and thanks to everyone for the
> > > suggestions.
> > > >>>
> > > >>> --- In mailto:ham-antennas%40yahoogroups.com, "ninevictor" <WN9V@>
> > > wrote:
> > > >>> >
> > > >>> >
> > > >>> >
> > > >>> > Hi Will,
> > > >>> > Let's call it a random wire. "Long wire" implies a gain type
> wire
> > > antenna that is so long that it is multiple wavelengths and the signal
> > > radiating from some parts of the wire reinforce that from other parts
> of
> > > the wire, accomplishing gain.
> > > >>> >
> > > >>> > I am assuming you are going to do without feedline and just hook
> > the
> > > antenna to your antenna coupler. The FT-817 is designed to feed a 50
> Ohm
> > > impedance antennna, so for multiband use, unless you add an antenna
> > > coupler between the transceiver and the antenna, your random wire
> > antenna
> > > might cover only 2 bands if you are lucky.
> > > >>> >
> > > >>> > To explain further, your transceiver needs to see a 50 Ohm

> antenna
> > > system. That can be :
> > > >>> >
> > > >>> > [1] an antenna (plus feedline) that is designed to present 50
> Ohms
> > > to the transceiver. A single band doublet or a fan type multiband
> dipole
> > > will work or a trap type multiband dipole will work OR,
> > > >>> >
> > > >>> > [2] you can put an antenna coupler between the transceiver and
> the
> > > feedline. The antenna coupler,, when adjusted right and when operating
> > > within its design parameters will transform what it sees on its
> antenna
> > > side to make it look like 50 Ohms on the transceiver side.
> > > >>> >
> > > >>> > In case number [2] above, the feedline between the coupler and
> the
> > > random wire antenna will have significant losses on bands where the
> > > antenna itself does not match the impedance of the feedline. This is
> > true
> > > unless the feedline is either very short or it is a type that has
> really
> > > low losses even when mismatched. Examples of low loss feedlines are
> open
> > > wire feeders or the large windowed twin lead.
> > > >>> >
> > > >>> > To get back to your question, If you start with the counterpoise
> > of
> > > equal length to the wire you have already cut, and put it at equal
> > > altitude, it would make a doublet that is resonant near 7 MHz and it
> > will
> > > be easy for your coupler to match. You would want to shorten both
> wires
> > a
> > > little if you intend to use it on 40 meters without adding an antenna
> > > coupler. If the counterpoise is in the grass, you will have to shorten
> > the
> > > counterpoise even further to make it resonant at the same frequency as
> > > your elevated antenna hot wire.
> > > >>> >
> > > >>> > About the terminology:
> > > >>> > By antenna coupler, I mean what most folks call an antenna
> tuner.
> > > >>> > These come in various flavors and some are specialized for use
> > with
> > > the low loss balanced line (called open wire feeders, ladder line, or
> > twin
> > > lead)

> > > >>> >
> > > >>> > Here is what a fairly versatile fixed station setup would be for
> > > multiband operation: Your transceiver, then a short coax cable to a
> link
> > > coupled balanced antenna coupler, then balanced feedline to the center
> > of
> > > a 133 foot long doublet. The coupler could be any of the Z-match type
> > > antenna couplers that are available as kits. Expect coverage on all HF
> > > bands, 80 through 10. Be prepared to trim some length off of your
> > balanced
> > > feeder if there is a favorite band that is difficult for your antenna
> > > coupler to match. And no counterpoise is necessary.
> > > >>> >
> > > >>> > I would encourage you to consider building your antenna coupler
> > from
> > > parts or a kit. Further, if you purchase some ceramic insulators and
> > some
> > > flexible wire, (even #18 speaker wire will do for a temporary
> > experiment),
> > > add some windowed twin lead, and you can build an antenna system that
> > will
> > > deliver more performance per dollar than a purchased wire antenna.
> > > >>> >
> > > >>> > If you want to keep the portable station antenna system simple,
> > the
> > > elevated random wire plus a slightly shorter counterpoise in the grass
> > can
> > > serve the purpose. If you build a L type antenna coupler and simply
> hook
> > > your antenna wire directly to the coupler (and the counterpoise
> directly
> > > to the coupler chassis) you should be able to adjust the L network to
> > > accomplish a 50 Ohm load to keep the transciever happy. The L network
> is
> > > simple, has no ambiguous multiple settings that might be correct, and
> > > handles an extreme range of impedances. The tuning of the L network
> will
> > > be sharp. If you have no luck accomplishing a match, reverse the
> network
> > > so it is transforming in the opposite direction as before. High to low
> > > versus low to high impedance. Or, if your antenna plus counterpoise
> > > happens to be very close to 50 Ohms, just take the coupler out of the
> > > circuit. An antenna system without a feedline, such as the one just
> > > described, is radiating RF fairly
> > >close to the transceiver and sometimes is troubled with RF in the
> > shack.
> > > For an at-home antenna system, you can avoid the RF in the shack by
> > having
> > > a system with a feedline that locates the radiating portions of the

> > > antenna away from the station.
> > > >>> >
> > > >>> > To answer your question regarding multiple counterpoises, one
> per
> > > band is effective in keeping the station from having RF on the mic,
> key,
> > > and radio chassis. be sure to insulate the far end of the quarter wave
> > > counterpoises. Expect the counterpoises to carry RF current and to
> > > radiate. Take that into account when locating them.
> > > >>> >
> > > >>> > I look forward to hearing what sort of setup you settle on.
> > > >>> > 73, Don WN9V
> > > >>> >
> > > >>> >
> > > >>> > "Will" <engineer1@> wrote:
> > > >>> > >
> > > >>> > >
> > > >>> > > I have cut a length of wire to 35.5 Feet for uses as a non-
> > > resonant long wire antenna for portable use with my FT-817.
> > > >>> > >
> > > >>> > > What length should I use for the counterpoise that will lie on
> > the
> > > ground? Should it be the same length of should I cut one that is
> > resonant
> > > at each band I am going to operate on?
> > > >>> > >
> > > >>> > > Thanks for any input:
> > > >>> > >
> > > >>> > > Will N7IPY
> > > >>> > >
> > > >>> >
> > > >>>
> > > >>
> > > >>[Non-text portions of this message have been removed]
> > > >>
> > > >>
> > > >>
> > > >>
> > > >>
> > > >
> > > >[Non-text portions of this message have been removed]
> > > >
> > > >[Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > >

> > > [Non-text portions of this message have been removed]
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19184. Hi

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 07:52:59 UTC
From: Ryan Thomas
Topic: 19184 Message: 19184

Hi
My dear friend,I found a very nice website www.xanshop.com, which is holding 10-year anniversaries. It sells notebooks, cell phones, digital cameras with top quality all over the world. The activity is end of 30, June, you will get gifts as long as you registered on it before this time.

Hope you won't miss such a good chance!

[Non-text portions of this message have been removed]

19185. Re: need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 12:07:24 UTC
From: amicom_ro
Topic: 19151 Message: 19185

Look here: http://www.k7mem.com/Electronic_Notebook/antennas/inverted_vee.html

73 de yo3cen

--- In ham-antennas@yahoogroups.com, "Dale H. Cole K8TS" <k9ttt@...> wrote:
>
>
>
> am building inverted vee for 3.8 meg.Â I have 40 meters of wire sunning its self right now.Â Do I need to make each leg 20 meters (~1/4) or do I need to have another 40 meters of wire additional for the other leg?
>
>
>
> Elementry question, but I forgot, and can't find a difinive answeer in my wire antenna bookÂ
>
>
>
> :(
>
> Dale K8TS
>
> (and a 20 wpm extra to boot!!)
>
>
> [Non-text portions of this message have been removed]
>

19186. RE: [ham-antennas] Hi

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 12:40:59 UTC
From: Gary H. Harmon, Jr.
Topic: 19184 Message: 19186

Ryan Thomas has been put into moderation since it looks like his account has been compromised.

Gary H. Harmon, Jr. - K5JWK

List Moderator

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ryan Thomas
Sent: Saturday, August 13, 2011 2:53 AM
To: undisclosed recipients:
Subject: [ham-antennas] Hi

Hi
My dear friend,I found a very nice website www.xanshop.com, which is holding 10-year anniversaries. It sells notebooks, cell phones, digital cameras with top quality all over the world. The activity is end of 30, June, you will get gifts as long as you registered on it before this time.

Hope you won't miss such a good chance!

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19187. Re: SWR & handheld antennas (construction ideas)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 14:18:12 UTC
From: hitekgearhead
Topic: 19144 Message: 19187

Andy,

I am trying to design the cubical quad for UHF (GMRS) field portable operation.

I kind of got the ideas after staring at arrow antennas for a while.

Basically, the "elements" are sandwiched between the threaded sections of pvc. The ends of the pvc have nylon bushings pressed into them that I made on a lathe.

Once disassembled, you have four flat "plates" and four short sections of pvc to stuff in a backpack, plus the coax.

I liked the idea of just buying or building a yagi, but I saw the high possibility of elements getting broken or bent. And of course with the quad you have wire elements which could be a problem.

The 7" square sections of circuit board material (FR4) are quite rigid and tough. You "could" break one but not very easily.

The copper tape is only for the test and design phase of the build. Once I have everything sorted out I am going to etch some copper clad boards so that the traces are permanent.

So that is the method behind the madness.

-Albert

--- In ham-antennas@yahoogroups.com, Andy <ai.egrps@...> wrote:
>
> > I am using pieces of bare circuit board material (FR4/fiberglass) with
> > copper tape laid out on them for the "elements".
>
> Interesting. What made you go this way? I'd have thought that the
> extra weight and air resistance might be detractors, compared to stiff
> wire alone.
>
>

19188. OT- Replying the mails

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 14:28:35 UTC
From: Chris Baker
Topic: 19188 Message: 19188

Off topic but can I put forward the request that when replying to a mail, that you delete the original message as the reply/text starts getting very long/large.

Thanks

Chris Baker B.A. Sunny Morecambe, the gateway to the LakesARS: G4LDSWAB:SD 46LOC: IO84 NBG-QRP: 6884IOTA: EU005The SANDS Contest group : G1T
G4LDS@...

[Non-text portions of this message have been removed]

19189. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 18:29:02 UTC
From: Andy
Topic: 19151 Message: 19189

> great news. If your dipole is held up by wire at the ends it shortens the
> dipole electrically. Then you use the dipole length formula 468/Freq in mHz

Actually, it *lengthens* (not shortens) the dipole's electrical
length. So you need to use a shorter physical length to get the same
electrical length and resonance.

468/F works for your average flat-top dipole, so for an inverted-Vee
you would cut it even shorter (or fold the ends back).

Andy

19190. Antenna Reception Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 20:47:02 UTC
From: radiotech750
Topic: 19190 Message: 19190

I have a Lafayette Ha 600 that I have recently got up and running. I have two antennas that I can use . 1) a 200 foot long wire pointed N/e S/W. 2) a Slinky antenna about 30 feet long pointed E/W The Slinky is in a dipole configuration 15 feet on a side fed to the radio with RG8 mini coax.
My question is... why does the slinky receive better that the long wire? I know there are lots of variables involved, I would think the long would do a better job. The Dipole slinky is also much quieter than the long wire.
I am not an antenna engineer and just asking for ideas why this is so!

Ernie
KC8YOQ

19191. Re: [ham-antennas] Antenna Reception Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-13 22:12:49 UTC
From: Andy
Topic: 19190 Message: 19191

> My question is... why does the slinky receive better that the long wire?

Many possible reasons.

Does it happen with several signals from all directions?

What is the height of the long wire? Of the Skinky?

What frequencies?

Is the long wire a dipole or just one wire? If the latter, it is only 1/2 of an antenna; what is the other half? (Ground connection?)

How much feedline?

I don't suggest you need to answer these questions (and don't want to suggest that I could have explanations for you if you did!); they are just factors to consider.

For receiving, even a very poor (inefficient) antenna can be good enough on the MF and HF bands. Efficiency (which matters for transmitting) and output voltage without an impedance matching device (which is what matters for receiving) are two totally different things.

Andy

19192. Re: Antenna Reception Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-14 05:21:09 UTC
From: ninevictor
Topic: 19190 Message: 19192

Ernie:

First, a word about safety: Follow normal precautions used in servicing, connecting, and operating electrical appliances, antenna systems, and radios. If in doubt, get assistance from someone who has sufficient knowledge and skill.

Antennas for receive are less critical than those used for transmitting. However, for best reception it is worthwhile to make the antenna configuration something like the radio designer intended. Assuming you don't have an owner's manual that suggests antenna styles, we can look at the antenna terminals and learn a bit.
If the antenna connectors on your radio are vastly different from what I describe, please let me know.

Some radios have only a connector for attaching coaxial cable. This can be handy for attaching the feedline to an outdoor shortwave antenna. Or if you want a quick way to attach an indoor temporary scrap of wire which might be a good enough antenna, just put a banana plug on the end of your scrap of wire and plug the banana plug into the center of the coaxial cable connector on the radio. In this configuration, a ground wire will benefit reception.

Hobbyist shortwave radios of the 1960's and earlier usually had a screw type terminal strip for antenna connection.
Here is a generalized description from which you may gain some insight on what to connect and where to connect it. One style of antenna connection was a terminal strip with 3 screws. One screw, identified as "ground" is the place where you could connect a ground wire that runs between the radio and a driven ground rod.

The two remaining screws we will call A1 and A2, are for connecting a balanced antenna feedline of a balanced 200 Ohm impedance antenna. With a pair of terminals provided, you could hook up the slinky dipole and feed it with TV twin lead or a twisted pair of wires or even a piece of two conductor speaker wire. For receiving, if the feedline is only a few feet long, the exact type of wire is usually not very critical.

On some radios, one of the two antenna connection screws, (we will say A2) can accept a jumper wire or bar, connecting it to the ground screw. With that jumper in place, A1 becomes the single terminal where you would connect your random wire antenna. In this configuration, a ground wire will benefit reception.

Somewhere on the front or back of the radio there may be a knob marked "ant. trim" which can be adjusted to help match the antenna to the receiver. This trimmer can usually benefit by being djusted for peak reception whenever you switch from one band to another.

At present, your slinky is an antenna that matches the design of the receiver front end more accurately than the long wire does. That is one reason it out performs the long wire. Add a ground wire and the jumper I mention above and see if the long wire performance improves.

The slinky dipole (a balanced antenna) does not need a ground wire,

That's enough to get you started.
Have fun listening.

Don WN9V

--- In ham-antennas@yahoogroups.com, "radiotech750" <ranger2995@...> wrote:
>
> I have a Lafayette Ha 600 that I have recently got up and running. I have two antennas that I can use . 1) a 200 foot long wire pointed N/e S/W. 2) a Slinky antenna about 30 feet long pointed E/W The Slinky is in a dipole configuration 15 feet on a side fed to the radio with RG8 mini coax.
> My question is... why does the slinky receive better that the long wire? I know there are lots of variables involved, I would think the long would do a better job. The Dipole slinky is also much quieter than the long wire.
> I am not an antenna engineer and just asking for ideas why this is so!
>
> Ernie
> KC8YOQ
>

19193. AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-14 18:46:16 UTC
From: daverickmers
Topic: 19125 Message: 19193

Use a stick held in front of you, some distance from vertical object, to mark height of tree. Turn marked stick 90 degrees to horizontal. Note landmark where stick mark meets the ground. Measure from vertical object base to landmark.

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> Well I have one tree in the front yard about 70 ft. from my radio. Not sure how high it is and forgot my basic math on how to calculate the height of a tree.
>

19194. Re: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-14 19:30:01 UTC
From: dean
Topic: 19125 Message: 19194

Sorry but that does not compute.

WY6L

From: daverickmers
Sent: Sunday, August 14, 2011 11:46 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: Random wire and counterpoise

Use a stick held in front of you, some distance from vertical object, to mark height of tree. Turn marked stick 90 degrees to horizontal. Note landmark where stick mark meets the ground. Measure from vertical object base to landmark.

--- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
>
> Well I have one tree in the front yard about 70 ft. from my radio. Not sure how high it is and forgot my basic math on how to calculate the height of a tree.
>

[Non-text portions of this message have been removed]

19195. Re: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-14 19:58:08 UTC
From: Larry Tooley
Topic: 19125 Message: 19195

It's trigonometry. The vertical scaled length is one side of a right triangle. The horizontal scaled length is the other side of the right triangle
----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 14, 2011 2:30 PM
Subject: Re: AW: [ham-antennas] Re: Random wire and counterpoise

I finally figured it out Dave. It is the ratio of Similar Triangles.

Height in inches of stick to the tree Width (inches) of stick to landmark
---
= ---
Height in feet of the tree Width (feet) to landmark

Solving for the unknown:
Height of stick to tree (inches) X
Width to landmark in feet
Height of tree (feet)
= ---
Width of stick to
landmark (inches)

The inches cancel out and giving the height in feet.
Larry WA9G

Sorry but that does not compute.

WY6L

From: daverickmers
Sent: Sunday, August 14, 2011 11:46 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: Random wire and counterpoise

Use a stick held in front of you, some distance from vertical object, to mark height of tree. Turn marked stick 90 degrees to horizontal. Note landmark where stick mark meets the ground. Measure from vertical object base to landmark.

[Non-text portions of this message have been removed]

19196. Re: [ham-antennas] need quick answer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-14 20:00:16 UTC
From: Larry Tooley
Topic: 19151 Message: 19196

Ooops. You are right, Andy

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 13, 2011 1:29 PM
Subject: Re: [ham-antennas] need quick answer

> great news. If your dipole is held up by wire at the ends it shortens the
> dipole electrically. Then you use the dipole length formula 468/Freq in mHz

Actually, it *lengthens* (not shortens) the dipole's electrical length. So you need to use a shorter physical length to get the same electrical length and resonance.

468/F works for your average flat-top dipole, so for an inverted-Vee you would cut it even shorter (or fold the ends back).

Andy

[Non-text portions of this message have been removed]

19197. AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-14 22:15:26 UTC
From: Siegfried Jackstien
Topic: 19125 Message: 19197

Much easier:
Use a stick that is same length of your arm
Hold stick on one end
Stretch your arm horizontal and proof if upper end of stick ends on your shoulder (same length as arm)
Now hold the arm horizontal and the stick vertical (just flip it upwith your hand wrist)
Look with your eyes over upper end of stick
Move backwards (slowly and careful) till stick and upper end of tree match (same line)
Now distance from tree is height of tree
So just walk towards tree and count the steps
Everybody that has cut a tree down knows that
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Sonntag, 14. August 2011 19:30
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> Sorry but that does not compute.
>
> WY6L
>
> From: daverickmers
> Sent: Sunday, August 14, 2011 11:46 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Re: Random wire and counterpoise
>
> Use a stick held in front of you, some distance from vertical object, to
> mark height of tree. Turn marked stick 90 degrees to horizontal. Note
> landmark where stick mark meets the ground. Measure from vertical object
> base to landmark.
>
> --- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
> >
> > Well I have one tree in the front yard about 70 ft. from my radio. Not
> sure how high it is and forgot my basic math on how to calculate the
> height of a tree.
> >

>
> [Non-text portions of this message have been removed]
>
>
>
>

19198. Inteverted V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 00:23:53 UTC
From: kd8dvy@ymail.com
Topic: 19198 Message: 19198

Hey all,

I am thinking about putting up an Inverted V. The thing is that I only have limited space and the one antenna that I already have up is a doublet up and it works great. Whoever I would like to have an Inverted V up. My question to the group is how would my Inverted V and the Doublet interact with each other if they are fed from the same feed point of the same feed-line?

Yes do have an analyzer, however I would like to get an idea what to look for when I do this. I also have a PAC-12 that I use as a vertical on 20 and it does very well when I operate. If you want to know more about the PAC-12 email me off-list.

Harold/KD8DVY

19199. Re: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 00:30:45 UTC
From: dean
Topic: 19125 Message: 19199

I never took trig. I did learn to do this in grade school but that was over 55 years ago. It matters not as I can get the answer locally.

From: Larry Tooley
Sent: Sunday, August 14, 2011 12:58 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Re: Random wire and counterpoise

It's trigonometry. The vertical scaled length is one side of a right triangle. The horizontal scaled length is the other side of the right triangle
----- Original Message -----
From: dean
To: mailto:ham-antennas%40yahoogroups.com
Sent: Sunday, August 14, 2011 2:30 PM
Subject: Re: AW: [ham-antennas] Re: Random wire and counterpoise

I finally figured it out Dave. It is the ratio of Similar Triangles.

Height in inches of stick to the tree Width (inches) of stick to landmark
---
= ---
Height in feet of the tree Width (feet) to landmark

Solving for the unknown:
Height of stick to tree (inches) X
Width to landmark in feet
Height of tree (feet)
= ---
Width of stick to
landmark (inches)

The inches cancel out and giving the height in feet.
Larry WA9G

Sorry but that does not compute.

WY6L

From: daverickmers
Sent: Sunday, August 14, 2011 11:46 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: AW: [ham-antennas] Re: Random wire and counterpoise

Use a stick held in front of you, some distance from vertical object, to mark height of tree. Turn marked stick 90 degrees to horizontal. Note

landmark where stick mark meets the ground. Measure from vertical object base to landmark.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19200. Re: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 00:33:23 UTC
From: dean
Topic: 19125 Message: 19200

I have cut down lots of trees but did not know that. Your answer makes the most sense and I can give it a go.

thanks much

73, WY6L

From: Siegfried Jackstien
Sent: Sunday, August 14, 2011 3:15 PM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Much easier:
Use a stick that is same length of your arm
Hold stick on one end
Stretch your arm horizontal and proof if upper end of stick ends on your shoulder (same length as arm)
Now hold the arm horizontal and the stick vertical (just flip it upwith your hand wrist)
Look with your eyes over upper end of stick
Move backwards (slowly and careful) till stick and upper end of tree match (same line)
Now distance from tree is height of tree
So just walk towards tree and count the steps
Everybody that has cut a tree down knows that
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Sonntag, 14. August 2011 19:30
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> Sorry but that does not compute.
>
> WY6L
>
> From: daverickmers
> Sent: Sunday, August 14, 2011 11:46 AM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Re: Random wire and counterpoise

>
> Use a stick held in front of you, some distance from vertical object, to
> mark height of tree. Turn marked stick 90 degrees to horizontal. Note
> landmark where stick mark meets the ground. Measure from vertical object
> base to landmark.
>
> --- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
> >
> > Well I have one tree in the front yard about 70 ft. from my radio. Not
> sure how high it is and forgot my basic math on how to calculate the
> height of a tree.
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19201. Re: [ham-antennas] Inverted V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 00:36:50 UTC
From: dean
Topic: 19198 Message: 19201

how much limited space do you have??? What frequency will you be making the inverted V?? I helped my Elmer put up a 40 meter loop in a guys backyard thru his trees. He has a 1.5k W amp and he tunes the frequency's quite well.

73, WY6L

From: kd8dvy@...
Sent: Sunday, August 14, 2011 5:23 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Inteverted V

Hey all,

I am thinking about putting up an Inverted V. The thing is that I only have limited space and the one antenna that I already have up is a doublet up and it works great. Whoever I would like to have an Inverted V up. My question to the group is how would my Inverted V and the Doublet interact with each other if they are fed from the same feed point of the same feed-line?

Yes do have an analyzer, however I would like to get an idea what to look for when I do this. I also have a PAC-12 that I use as a vertical on 20 and it does very well when I operate. If you want to know more about the PAC-12 email me off-list.

Harold/KD8DVY

[Non-text portions of this message have been removed]

19202. Re: Inteverted V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 15:25:25 UTC
From: AB2ZY
Topic: 19198 Message: 19202

How long is your doublet?

What you are suggesting is not really different than a "fan dipole". As long as the non active elements present a high impedance on the operating frequency, there will be minimal interaction.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "kd8dvy@..." <kd8dvy@...> wrote:
>
> Hey all,
>
> I am thinking about putting up an Inverted V. The thing is that I only have limited space and the one antenna that I already have up is a doublet up and it works great. Whoever I would like to have an Inverted V up. My question to the group is how would my Inverted V and the Doublet interact with each other if they are fed from the same feed point of the same feed-line?
>
> Yes do have an analyzer, however I would like to get an idea what to look for when I do this. I also have a PAC-12 that I use as a vertical on 20 and it does very well when I operate. If you want to know more about the PAC-12 email me off-list.
>
> Harold/KD8DVY
>

19203. AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 15:43:42 UTC
From: Siegfried Jackstien
Topic: 19125 Message: 19203

every lumberjack here in dl proofs height of a tree in this way
greetz
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Montag, 15. August 2011 00:33
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> I have cut down lots of trees but did not know that. Your answer makes the
> most sense and I can give it a go.
>
> thanks much
>
> 73, WY6L
>
> From: Siegfried Jackstien
> Sent: Sunday, August 14, 2011 3:15 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
> Much easier:
> Use a stick that is same length of your arm
> Hold stick on one end
> Stretch your arm horizontal and proof if upper end of stick ends on your
> shoulder (same length as arm)
> Now hold the arm horizontal and the stick vertical (just flip it upwith
> your
> hand wrist)
> Look with your eyes over upper end of stick
> Move backwards (slowly and careful) till stick and upper end of tree match
> (same line)
> Now distance from tree is height of tree
> So just walk towards tree and count the steps
> Everybody that has cut a tree down knows that
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im

> > Auftrag von dean
> > Gesendet: Sonntag, 14. August 2011 19:30
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> >
> > Sorry but that does not compute.
> >
> > WY6L
> >
> > From: daverickmers
> > Sent: Sunday, August 14, 2011 11:46 AM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: AW: [ham-antennas] Re: Random wire and counterpoise
> >
> > Use a stick held in front of you, some distance from vertical object, to
> > mark height of tree. Turn marked stick 90 degrees to horizontal. Note
> > landmark where stick mark meets the ground. Measure from vertical object
> > base to landmark.
> >
> > --- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
> > >
> > > Well I have one tree in the front yard about 70 ft. from my radio. Not
> > sure how high it is and forgot my basic math on how to calculate the
> > height of a tree.
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19204. WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 15:46:13 UTC
From: Joe
Topic: 19204 Message: 19204

OK,

I have done thing many times since I got my ticket in 1975.

Like two dipoles at right angles, say one for 80 and one for 40
connected to a single coax.

Of course it works and works great being the giant wide impedance's one
loads one is ignored depending on what freq being used.

BUT has anyone tried this, or would it even work?

We all know a single dipole will not cover all of 80 meters with a good
match. The percentage of change is just far too much.

But what if you made two 80 meter dipoles. or more accurately described
a 80 meter one and a 75 meter one?

Say minimum swr at 3.6 MHz on one and 3.9 MHz on the other and both
antennas at right angles to each other.

Would this work? would one load better than the other because of the
better match? Are they far enough away from a good resonant match to work?

What happens at the middle of the band where the matches are close to
similar in SWR, but have oppisite reactances? One will be inductive
while the other capacative. hmmmm?

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

19205. Re: [ham-antennas] WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 16:10:16 UTC
From: Frank Kirschner
Topic: 19204 Message: 19205

I made a fan dipole that had two dipoles of slightly different lengths, fed with one feedline, but parallel, not perpendicular (so it required fewer anchoring points and took up less space). The wires were a couple of feet apart at the ends. It worked fine. The minimum SWR was not quite as low as with a single dipole at resonance, but the bandwidth was larger.

One design uses elements of the same length, but spread apart at the ends in a bow tie shape. This also broadens the useful bandwidth.

73,
Frank
KF6E

On Mon, Aug 15, 2011 at 11:46 AM, Joe <nss@...> wrote:

> **
>
> BUT has anyone tried this, or would it even work?
>
> We all know a single dipole will not cover all of 80 meters with a good
> match. The percentage of change is just far too much.
>
> But what if you made two 80 meter dipoles. or more accurately described
> a 80 meter one and a 75 meter one?
>
> Say minimum swr at 3.6 MHz on one and 3.9 MHz on the other and both
> antennas at right angles to each other.
>
> Would this work? would one load better than the other because of the
> better match? Are they far enough away from a good resonant match to work?
>
> What happens at the middle of the band where the matches are close to
> similar in SWR, but have oppisite reactances? One will be inductive
> while the other capacative. hmmmm?
>
> Joe WB9SBD
> --
>

[Non-text portions of this message have been removed]

19206. Re: [ham-antennas] WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 16:10:40 UTC
From: Ron Youvan
Topic: 19204 Message: 19206

Joe WB9SBD wrote:

/*snip*/
> But what if you made two 80 meter dipoles. or more accurately described
> a 80 meter one and a 75 meter one?

> Say minimum swr at 3.6 MHz on one and 3.9 MHz on the other and both
> antennas at right angles to each other.

> Would this work? would one load better than the other because of the
> better match? Are they far enough away from a good resonant match to work?

> What happens at the middle of the band where the matches are close to
> similar in SWR, but have opposite reactances? One will be inductive
> while the other capacitive. hmmmm?

I think it would be better to make it a fan dipole, over and under or side by side.
If you set one to just over one end and the other just under the other end the middle would be not
bad because of the coupling between the two, you would loose that coupling if they were at right angles.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19207. RE: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 16:22:46 UTC
From: jo barden
Topic: 19125 Message: 19207

and wears suspendies and a bra! sorry to any lumberjacks just Monty Python Lumberjack song springs to mind
JonG6UWK

To: ham-antennas@yahoogroups.com
From: siegfried.jackstien@...
Date: Mon, 15 Aug 2011 15:43:42 +0000
Subject: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

every lumberjack here in dl proofs height of a tree in this way

greetz

sigi

> -----Urspr?ngliche Nachricht-----

> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im

> Auftrag von dean

> Gesendet: Montag, 15. August 2011 00:33

> An: ham-antennas@yahoogroups.com

> Betreff: Re: AW: AW: [ham-antennas] Re: Random wire and counterpoise

>

>

>

> I have cut down lots of trees but did not know that. Your answer makes the

> most sense and I can give it a go.

>

> thanks much

>

> 73, WY6L

>

> From: Siegfried Jackstien

> Sent: Sunday, August 14, 2011 3:15 PM

> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> Subject: AW: AW: [ham-antennas] Re: Random wire and counterpoise

>

> Much easier:

> Use a stick that is same length of your arm

> Hold stick on one end

> Stretch your arm horizontal and proof if upper end of stick ends on your

> shoulder (same length as arm)

> Now hold the arm horizontal and the stick vertical (just flip it upwith

> your

> hand wrist)

> Look with your eyes over upper end of stick

> Move backwards (slowly and careful) till stick and upper end of tree match

> (same line)

> Now distance from tree is height of tree

> So just walk towards tree and count the steps

> Everybody that has cut a tree down knows that

> Dg9bfc

> Sigi

>

> > -----Urspr?ngliche Nachricht-----

> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-

> antennas%40yahoogroups.com] Im

> > Auftrag von dean

> > Gesendet: Sonntag, 14. August 2011 19:30

> > An: mailto:ham-antennas%40yahoogroups.com

> > Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise

> >

> >

> >

> > Sorry but that does not compute.

> >

> > WY6L

> >

> > From: daverickmers

> > Sent: Sunday, August 14, 2011 11:46 AM

> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com>

> > Subject: AW: [ham-antennas] Re: Random wire and counterpoise

> >

> > Use a stick held in front of you, some distance from vertical object, to

> > mark height of tree. Turn marked stick 90 degrees to horizontal. Note

> > landmark where stick mark meets the ground. Measure from vertical object

> > base to landmark.

> >

> > --- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:

> > >

> > > Well I have one tree in the front yard about 70 ft. from my radio. Not

> > sure how high it is and forgot my basic math on how to calculate the

> > height of a tree.

> > >

> >

> > [Non-text portions of this message have been removed]

> >

> >

> >

> >

>

> [Non-text portions of this message have been removed]

>

>

>

>

[Non-text portions of this message have been removed]

19208. Re: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 16:28:00 UTC
From: dean
Topic: 19125 Message: 19208

I had a chance to be a lumberjack when I was 21 but I didn't have the correct shoes or corks so I was out of luck. I would have started off as, wow my memory fails me but I would put the cable around the tree so it could be pulled up. Very dangerous job.

Any way I figured I'd get my protractor and make my arm 45 degrees and then when my finger tips hit the top of the tree I then walk towards the tree and then add my height to that distance and I have the height of the tree. I also live on a bluff and there is not much room. I have 8 acres but most of it is a lot lower than my house so not much room to play with. My house is about 12 Ft from one edge of the bluff and in front I got less than 50 ft. to the other edge and the back of the house is close to the mountain and the other side drops off quickly. I live at the highest part of my property. I have a huge barn who's roof is lower than the base of the house and the mobile home at the bottom of the hill is even lower.

So basically I have to put my antennas close to the back of the house or by the end close to the mountain. One bad thing is the corner from the back to the mountain is my power lead from PG &E (our power company).

Now the tree to the telephone pole that is up with nothing attached to it would be great for a loop for field day when I do 1 Echo.

73, WY6L

From: Siegfried Jackstien
Sent: Monday, August 15, 2011 8:43 AM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

every lumberjack here in dl proofs height of a tree in this way
greetz
sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Montag, 15. August 2011 00:33
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
> I have cut down lots of trees but did not know that. Your answer makes the
> most sense and I can give it a go.
>
> thanks much
>

> 73, WY6L
>
> From: Siegfried Jackstien
> Sent: Sunday, August 14, 2011 3:15 PM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
> Much easier:
> Use a stick that is same length of your arm
> Hold stick on one end
> Stretch your arm horizontal and proof if upper end of stick ends on your
> shoulder (same length as arm)
> Now hold the arm horizontal and the stick vertical (just flip it upwith
> your
> hand wrist)
> Look with your eyes over upper end of stick
> Move backwards (slowly and careful) till stick and upper end of tree match
> (same line)
> Now distance from tree is height of tree
> So just walk towards tree and count the steps
> Everybody that has cut a tree down knows that
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von dean
> > Gesendet: Sonntag, 14. August 2011 19:30
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise
> >
> >
> >
> > Sorry but that does not compute.
> >
> > WY6L
> >
> > From: daverickmers
> > Sent: Sunday, August 14, 2011 11:46 AM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: AW: [ham-antennas] Re: Random wire and counterpoise
> >
> > Use a stick held in front of you, some distance from vertical object, to
> > mark height of tree. Turn marked stick 90 degrees to horizontal. Note
> > landmark where stick mark meets the ground. Measure from vertical object
> > base to landmark.
> >
> > --- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:

> > >
> > > Well I have one tree in the front yard about 70 ft. from my radio. Not
> > sure how high it is and forgot my basic math on how to calculate the
> > height of a tree.
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19209. Re: [ham-antennas] WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 16:30:29 UTC
From: dean
Topic: 19204 Message: 19209

From: Joe
Sent: Monday, August 15, 2011 8:46 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] WideBand Dipole.

OK,

I have done thing many times since I got my ticket in 1975.

Like two dipoles at right angles, say one for 80 and one for 40
connected to a single coax.

Of course it works and works great being the giant wide impedance's one
loads one is ignored depending on what freq being used.

BUT has anyone tried this, or would it even work?

I have mine like that but I made it also an inverted V as I don’t have the space around the house that is flat so I had to lower the ends of it. Not really a true V but it works.

73, WY6L

We all know a single dipole will not cover all of 80 meters with a good
match. The percentage of change is just far too much.

But what if you made two 80 meter dipoles. or more accurately described
a 80 meter one and a 75 meter one?

Say minimum swr at 3.6 MHz on one and 3.9 MHz on the other and both
antennas at right angles to each other.

Would this work? would one load better than the other because of the
better match? Are they far enough away from a good resonant match to work?

What happens at the middle of the band where the matches are close to
similar in SWR, but have oppisite reactances? One will be inductive
while the other capacative. hmmmm?

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19210. Re: [ham-antennas] WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 16:41:10 UTC
From: dean
Topic: 19204 Message: 19210

oops on the last post

My 40 and 80 fan dipole are at right angles to each other. The 75 meter one is N to S and the 40 meter is E to W. They are not totally an inverted V but the ends are very low. My radio is an FT-950 and the tuner in the radio tunes every band but 20 meters and 6 meters. For that I use the LDG 200 AT Pro. I can do DX quite well. If I can hear them I can work them. For 10,15, and 20 meters I mostly use my beam antenna which is about 2 ft. higher than my dipole. When I use my SB-200 it tunes great on 40 but not so well on 75. On 75 I get like a 2.5:1 . On 40 it’s a 1:1

in other words it works great at right angles.

73, WY6L

PS if anyone is close to Coarsegold, CA in the USA you are welcome to come over and try it out.

From: Joe
Sent: Monday, August 15, 2011 8:46 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] WideBand Dipole.

OK,

I have done thing many times since I got my ticket in 1975.

Like two dipoles at right angles, say one for 80 and one for 40
connected to a single coax.

Of course it works and works great being the giant wide impedance's one
loads one is ignored depending on what freq being used.

BUT has anyone tried this, or would it even work?

We all know a single dipole will not cover all of 80 meters with a good
match. The percentage of change is just far too much.

But what if you made two 80 meter dipoles. or more accurately described
a 80 meter one and a 75 meter one?

Say minimum swr at 3.6 MHz on one and 3.9 MHz on the other and both
antennas at right angles to each other.

Would this work? would one load better than the other because of the
better match? Are they far enough away from a good resonant match to work?

What happens at the middle of the band where the matches are close to
similar in SWR, but have oppisite reactances? One will be inductive
while the other capacative. hmmmm?

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19211. AW: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 16:55:57 UTC
From: Siegfried Jackstien
Topic: 19125 Message: 19211

> Any way I figured I'd get my protractor and make my arm 45 degrees and
> then when my finger tips hit the top of the tree I then walk towards the
> tree and then add my height to that distance and I have the height of the
> tree.

And when you take a stick in your hand that is as long as your arm
Hold arm horizontal and stick vertical
And now look over tip of stick to tip of tree ....
Angle? Guess what ... 45 degrees
Distance? Height of tree (plus body)
Trigonometry is so simple if you just have understand the basics :-)
Sigi

19212. AW: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 17:02:38 UTC
From: Siegfried Jackstien
Topic: 19125 Message: 19212

I would never walk around with a stretched arm in 45 degrees up ... could be misunderstood to easy :-)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Siegfried Jackstien
> Gesendet: Montag, 15. August 2011 16:56
> An: ham-antennas@yahoogroups.com
> Betreff: AW: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
>
> > Any way I figured I'd get my protractor and make my arm 45 degrees and
> > then when my finger tips hit the top of the tree I then walk towards the
> > tree and then add my height to that distance and I have the height of
> the
> > tree.
>
> And when you take a stick in your hand that is as long as your arm
> Hold arm horizontal and stick vertical
> And now look over tip of stick to tip of tree ....
> Angle? Guess what ... 45 degrees
> Distance? Height of tree (plus body)
> Trigonometry is so simple if you just have understand the basics :-)
> Sigi
>
>
>
>

19213. Re: AW: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 17:23:08 UTC
From: dean
Topic: 19125 Message: 19213

Wow that makes so much sense. Thanks much.

73, WY6L

From: Siegfried Jackstien
Sent: Monday, August 15, 2011 9:55 AM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

> Any way I figured I'd get my protractor and make my arm 45 degrees and
> then when my finger tips hit the top of the tree I then walk towards the
> tree and then add my height to that distance and I have the height of the
> tree.

And when you take a stick in your hand that is as long as your arm
Hold arm horizontal and stick vertical
And now look over tip of stick to tip of tree ....
Angle? Guess what ... 45 degrees
Distance? Height of tree (plus body)
Trigonometry is so simple if you just have understand the basics :-)
Sigi

[Non-text portions of this message have been removed]

19214. Re: AW: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 17:24:45 UTC
From: dean
Topic: 19125 Message: 19214

Hi Hi.

WY6L

From: Siegfried Jackstien
Sent: Monday, August 15, 2011 10:02 AM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

I would never walk around with a stretched arm in 45 degrees up ... could be misunderstood to easy :-)

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Siegfried Jackstien
> Gesendet: Montag, 15. August 2011 16:56
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: AW: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise
>
>
>
>
> > Any way I figured I'd get my protractor and make my arm 45 degrees and
> > then when my finger tips hit the top of the tree I then walk towards the
> > tree and then add my height to that distance and I have the height of
> the
> > tree.
>
> And when you take a stick in your hand that is as long as your arm
> Hold arm horizontal and stick vertical
> And now look over tip of stick to tip of tree ....
> Angle? Guess what ... 45 degrees
> Distance? Height of tree (plus body)
> Trigonometry is so simple if you just have understand the basics :-)
> Sigi
>
>
>
>

[Non-text portions of this message have been removed]

19215. AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 18:34:03 UTC
From: daverickmers
Topic: 19125 Message: 19215

http://www.wikihow.com/Measure-the-Height-of-a-Tree

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...>
wrote:
>
>
> > Any way I figured I'd get my protractor and make my arm 45 degrees and
> > then when my finger tips hit the top of the tree I then walk towards the
> > tree and then add my height to that distance and I have the height of the
> > tree.
>
>
> And when you take a stick in your hand that is as long as your arm
> Hold arm horizontal and stick vertical
> And now look over tip of stick to tip of tree ....
> Angle? Guess what ... 45 degrees
> Distance? Height of tree (plus body)
> Trigonometry is so simple if you just have understand the basics :-)
> Sigi
>

19216. Metal carport ideas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 18:55:10 UTC
From: kk4ej
Topic: 19216 Message: 19216

Recently added a metal carport, 18 x 20 ft.

Pondering ideas for HF antennas that could be installed easily and taken down to keep the spouse off the war path.

First thought was a 20ft "flagpole" that could hold the center on inverted V.

Then another was use the roof as the ground plane for a verticle.

Thoughts?

Randy
KK4EJ

19217. Re: [ham-antennas] Metal carport ideas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 19:07:02 UTC
From: Frank Kirschner
Topic: 19216 Message: 19217

My first thought was the vertical. Make sure all the sections of the roof
are electrically bonded, and put the vertical in the center. Should work
like gangbusters.

73,
Frank
KF6E

On Mon, Aug 15, 2011 at 2:55 PM, kk4ej <kk4ej@...> wrote:

> **
>
>
> Recently added a metal carport, 18 x 20 ft.
>
> Pondering ideas for HF antennas that could be installed easily and taken
> down to keep the spouse off the war path.
>
> First thought was a 20ft "flagpole" that could hold the center on inverted
> V.
>
> Then another was use the roof as the ground plane for a verticle.
>
> Thoughts?
>
> Randy
> KK4EJ
>

[Non-text portions of this message have been removed]

19218. RE: [ham-antennas] Metal carport ideas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 20:49:42 UTC
From: Richard Schmuke
Topic: 19216 Message: 19218

Sounds like a great idea. I put a 40M vertical in the center of my work shop roof, with the car port overhang on one side it is a 55 x 70 ft metal roof. I did not work, as the heavily painted section do not have a good connections. It worked great when I added radials.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of kk4ej
Sent: Monday, August 15, 2011 1:55 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Metal carport ideas

Recently added a metal carport, 18 x 20 ft.

Pondering ideas for HF antennas that could be installed easily and taken down to keep the spouse off the war path.

First thought was a 20ft "flagpole" that could hold the center on inverted V.

Then another was use the roof as the ground plane for a verticle.

Thoughts?

Randy
KK4EJ

[Non-text portions of this message have been removed]

19222. Re: [ham-antennas] Metal carport ideas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 22:21:52 UTC
From: Larry Tooley
Topic: 19216 Message: 19222

You can always use invible wire. # 30 or # 26 enameled wire. Or just the wire out of a small motor or transformer. Really hard to see it.

----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Monday, August 15, 2011 3:49 PM
Subject: RE: [ham-antennas] Metal carport ideas

Sounds like a great idea. I put a 40M vertical in the center of my work shop
roof, with the car port overhang on one side it is a 55 x 70 ft metal roof.
I did not work, as the heavily painted section do not have a good connections. It worked great when I added radials.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of kk4ej
Sent: Monday, August 15, 2011 1:55 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Metal carport ideas

Recently added a metal carport, 18 x 20 ft.

Pondering ideas for HF antennas that could be installed easily and taken down to keep the spouse off the war path.

First thought was a 20ft "flagpole" that could hold the center on inverted V.

Then another was use the roof as the ground plane for a verticle.

Thoughts?

Randy
KK4EJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19223. Re: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 22:27:23 UTC
From: Larry Tooley
Topic: 19125 Message: 19223

That WAS hilarius, Jon!!!
"All for one. One for ....what?"

----- Original Message -----
From: "jo barden" <jobarden422@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, August 15, 2011 11:22 AM
Subject: RE: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

and wears suspendies and a bra! sorry to any lumberjacks just Monty Python
Lumberjack song springs to mind
JonG6UWK

To: ham-antennas@yahoogroups.com
From: siegfried.jackstien@...
Date: Mon, 15 Aug 2011 15:43:42 +0000
Subject: AW: AW: AW: [ham-antennas] Re: Random wire and counterpoise

every lumberjack here in dl proofs height of a tree in this way

greetz

sigi

> -----Urspr?ngliche Nachricht-----

> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im

> Auftrag von dean

> Gesendet: Montag, 15. August 2011 00:33

> An: ham-antennas@yahoogroups.com

> Betreff: Re: AW: AW: [ham-antennas] Re: Random wire and counterpoise

>

>

>

> I have cut down lots of trees but did not know that. Your answer makes the

> most sense and I can give it a go.

>

> thanks much

>

> 73, WY6L

>

> From: Siegfried Jackstien

> Sent: Sunday, August 14, 2011 3:15 PM

> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> Subject: AW: AW: [ham-antennas] Re: Random wire and counterpoise

>

> Much easier:

> Use a stick that is same length of your arm

> Hold stick on one end

> Stretch your arm horizontal and proof if upper end of stick ends on your

> shoulder (same length as arm)

> Now hold the arm horizontal and the stick vertical (just flip it upwith

> your

> hand wrist)

> Look with your eyes over upper end of stick

> Move backwards (slowly and careful) till stick and upper end of tree match

> (same line)

> Now distance from tree is height of tree

> So just walk towards tree and count the steps

> Everybody that has cut a tree down knows that

> Dg9bfc

> Sigi

>

> > -----Urspr?ngliche Nachricht-----

> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-

> antennas%40yahoogroups.com] Im

> > Auftrag von dean

> > Gesendet: Sonntag, 14. August 2011 19:30

> > An: mailto:ham-antennas%40yahoogroups.com

> > Betreff: Re: AW: [ham-antennas] Re: Random wire and counterpoise

> >

> >

> >

> > Sorry but that does not compute.

> >

> > WY6L

> >

> > From: daverickmers

> > Sent: Sunday, August 14, 2011 11:46 AM

> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com>

> > Subject: AW: [ham-antennas] Re: Random wire and counterpoise

> >

> > Use a stick held in front of you, some distance from vertical object, to

> > mark height of tree. Turn marked stick 90 degrees to horizontal. Note

> > landmark where stick mark meets the ground. Measure from vertical object

> > base to landmark.

> >

> > --- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:

> > >

> > > Well I have one tree in the front yard about 70 ft. from my radio. Not

> > sure how high it is and forgot my basic math on how to calculate the

> > height of a tree.

> > >

> >

> > [Non-text portions of this message have been removed]

> >

> >

> >

> >

>

> [Non-text portions of this message have been removed]

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19224. Re: [ham-antennas] Metal carport ideas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-15 23:03:57 UTC
From: dean
Topic: 19216 Message: 19224

Get a wife who supports your hobby.

73, WY6L

From: kk4ej
Sent: Monday, August 15, 2011 11:55 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Metal carport ideas

Recently added a metal carport, 18 x 20 ft.

Pondering ideas for HF antennas that could be installed easily and taken down to keep the spouse off the war path.

First thought was a 20ft "flagpole" that could hold the center on inverted V.

Then another was use the roof as the ground plane for a verticle.

Thoughts?

Randy
KK4EJ

[Non-text portions of this message have been removed]

19225. Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 00:29:29 UTC
From: radiotech750
Topic: 19225 Message: 19225

Well here goes! i have all my radio gear grounded to the outside via a 10ft copper braid to a 8ft copper rod.
My wife was trimming the shrubs outside the shack window while i was inside talking on 10 meters. She came in and asked me" what are you doing to the ants" to which i responded "what"? She told me that every time I keyed up the radio to talk the the ants around the ground rod would "dance"
I got her to come in and talk on the radio and sure enough when she talked the ants would seem to dance!
Whats going on?

Thanks
Ernie
KC8YOQ

19226. Re: [ham-antennas] Metal carport ideas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 00:30:11 UTC
From: Larry Tooley
Topic: 19216 Message: 19226

....or tell her before you met her, you used to smoke, drink, cuss and chase wild women and the craving is coming back unless you can do radio.

Larry WA9G
----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Monday, August 15, 2011 6:03 PM
Subject: Re: [ham-antennas] Metal carport ideas

Get a wife who supports your hobby.

73, WY6L

From: kk4ej
Sent: Monday, August 15, 2011 11:55 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Metal carport ideas

Recently added a metal carport, 18 x 20 ft.

Pondering ideas for HF antennas that could be installed easily and taken down to keep the spouse off the war path.

First thought was a 20ft "flagpole" that could hold the center on inverted V.

Then another was use the roof as the ground plane for a verticle.

Thoughts?

Randy
KK4EJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19227. Re: Metal carport ideas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 00:52:55 UTC
From: kk4ej
Topic: 19216 Message: 19227

Thanks for the ideas...

As for the wife, I didnt drink or cuss UNTIL after marriage.....

Randy
KK4EJ

19228. Re: [ham-antennas] Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 00:52:56 UTC
From: Tom Humes
Topic: 19225 Message: 19228

They are reactive ants. But they do have capacitance. So the bottom line
is they have the capacity to react. LOL

On Mon, Aug 15, 2011 at 5:29 PM, radiotech750 <ranger2995@...> wrote:

> **
>
>
> Well here goes! i have all my radio gear grounded to the outside via a 10ft
> copper braid to a 8ft copper rod.
> My wife was trimming the shrubs outside the shack window while i was inside
> talking on 10 meters. She came in and asked me" what are you doing to the
> ants" to which i responded "what"? She told me that every time I keyed up
> the radio to talk the the ants around the ground rod would "dance"
> I got her to come in and talk on the radio and sure enough when she talked
> the ants would seem to dance!
> Whats going on?
>
> Thanks
> Ernie
> KC8YOQ
>
>
>

[Non-text portions of this message have been removed]

19229. Re: [ham-antennas] Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 00:55:08 UTC
From: Ernie Rice
Topic: 19225 Message: 19229

Great answer!

Ernie
KC8YOQ

On Mon, Aug 15, 2011 at 5:52 PM, Tom Humes <kf7anq@...> wrote:

> They are reactive ants. But they do have capacitance. So the bottom line
> is they have the capacity to react. LOL
>
>
> On Mon, Aug 15, 2011 at 5:29 PM, radiotech750 <ranger2995@...>
> wrote:
>
> > **
> > >
> > >
> > Well here goes! i have all my radio gear grounded to the outside via a
> 10ft
> > copper braid to a 8ft copper rod.
> > My wife was trimming the shrubs outside the shack window while i was
> inside
> > talking on 10 meters. She came in and asked me" what are you doing to the
> > ants" to which i responded "what"? She told me that every time I keyed up
> > the radio to talk the the ants around the ground rod would "dance"
> > I got her to come in and talk on the radio and sure enough when she
> talked
> > the ants would seem to dance!
> > Whats going on?
> > >
> > Thanks
> > Ernie
> > KC8YOQ
> > >
> > >
> > >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

19230. Re: WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 01:15:29 UTC
From: Bryan
Topic: 19204 Message: 19230

I just use a cage dipole (inverted vee). It's broad as a barn door. Even though the free program on smeter.net says it should have only 318 KHz BW and the sweet spot is around 3700 KHz, the VSWR is /just barely/ 2:1 at 4000 KHz. It's no big deal since I spend most of my time below 3900 KHz.

It's 4 wires, 125' OAL, and spreaders are 24"x24". I used 14ga 168-strand wire but could've used much smaller wire. Spreaders are Schedule 10 ½" dia PVC tubing. Since it's a cage, it needs no more supports than a dipole or inverted vee.

vy 73,
Bryan WA7PRC

19231. Re: [ham-antennas] Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 03:58:06 UTC
From: Larry Tooley
Topic: 19225 Message: 19231

You're RICH!! You can sell your pest repeller--ants, mice, wasps, mosquitoes, and killer bees. Put it on Channel 14 CB where they let them run 500 Watt Diathermy's. Install it with the wire to ground as the antenna. Have your good looking lady salesman sprinkle test ants on it. I'll buy one.

Larry WA9G
----- Original Message -----
From: Ernie Rice
To: ham-antennas@yahoogroups.com
Sent: Monday, August 15, 2011 7:55 PM
Subject: Re: [ham-antennas] Mystery of The Dancing Ants

Great answer!

Ernie
KC8YOQ

On Mon, Aug 15, 2011 at 5:52 PM, Tom Humes <kf7anq@...> wrote:

> They are reactive ants. But they do have capacitance. So the bottom line
> is they have the capacity to react. LOL
>
>
> On Mon, Aug 15, 2011 at 5:29 PM, radiotech750 <ranger2995@...>
> wrote:
>
> > **
> >
> >
> > Well here goes! i have all my radio gear grounded to the outside via a
> 10ft
> > copper braid to a 8ft copper rod.
> > My wife was trimming the shrubs outside the shack window while i was
> inside
> > talking on 10 meters. She came in and asked me" what are you doing to
the
> > ants" to which i responded "what"? She told me that every time I keyed
up
> > the radio to talk the the ants around the ground rod would "dance"
> > I got her to come in and talk on the radio and sure enough when she
> talked
> > the ants would seem to dance!
> > Whats going on?
> >
> > Thanks

> > Ernie
> > KC8YOQ
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19232. Re: [ham-antennas] Re: WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 04:58:16 UTC
From: dean
Topic: 19204 Message: 19232

How about a picture?

73, WY6L

From: Bryan
Sent: Monday, August 15, 2011 6:15 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: WideBand Dipole.

I just use a cage dipole (inverted vee). It's broad as a barn door. Even though the free program on smeter.net says it should have only 318 KHz BW and the sweet spot is around 3700 KHz, the VSWR is /just barely/ 2:1 at 4000 KHz. It's no big deal since I spend most of my time below 3900 KHz.

It's 4 wires, 125' OAL, and spreaders are 24"x24". I used 14ga 168-strand wire but could've used much smaller wire. Spreaders are Schedule 10 ½" dia PVC tubing. Since it's a cage, it needs no more supports than a dipole or inverted vee.

vy 73,
Bryan WA7PRC

[Non-text portions of this message have been removed]

19233. AW: [ham-antennas] Metal carport ideas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 08:16:18 UTC
From: Siegfried Jackstien
Topic: 19216 Message: 19233

Minimum ist hat she accepts that a man HAS TO HAVE a hobby
... and if she is moaning as if it would be better if you were a soccer
(football ... whatever)fan and 3 times a week in the pub (Monday to Friday
and Saturday and Sunday =3 times *g*) ...
Hamradio is one hobby that you can do at home while your wife is close" so
she has to acceüt it
My 0.02 bucks
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Montag, 15. August 2011 23:04
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Metal carport ideas
>
>
>
> Get a wife who supports your hobby.
>
> 73, WY6L
>
> From: kk4ej
> Sent: Monday, August 15, 2011 11:55 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Metal carport ideas
>
> Recently added a metal carport, 18 x 20 ft.
>
> Pondering ideas for HF antennas that could be installed easily and taken
> down to keep the spouse off the war path.
>
> First thought was a 20ft "flagpole" that could hold the center on inverted
> V.
>
> Then another was use the roof as the ground plane for a verticle.
>
> Thoughts?
>
> Randy
> KK4EJ
>
> [Non-text portions of this message have been removed]
>

>
>
>

19234. E-Mail

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 13:12:00 UTC
From: James Wells
Topic: 19234 Message: 19234

I am currently trying to find the little devil that sent out the infected e-mails.
I am sorry. I do not know how it got there but it is. I will keep my e-mail client closed until it is corrected.
Sorry for the unwanted e-mail

James
KD0AJZ

19235. Re: E-Mail

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 15:19:02 UTC
From: AB2ZY
Topic: 19234 Message: 19235

This sort of problem is almost never the result of a virus or anything else the alleged sender has any control over.

The problem is that Yahoo does not use any technology to ascertain whether or not an email message is actually from the sender.

Armed only with James Wells email address (kdoajz@something.net) and the address of the Yahoo ham-antennas group (ham-antennas@yahoogroups.com), I can set up an SMTP server on any computer connected to the internet and send an email to the group claiming to be from James. Yahoo will accept it and forward to the subscribers and post to the website.

The moderator will then put James on moderation even though James and his computer had nothing to do with the message.

This is how spammers work.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "James Wells" <kd0ajz@...> wrote:
>
> I am currently trying to find the little devil that sent out the infected e-mails.
> I am sorry. I do not know how it got there but it is. I will keep my e-mail client closed until it is corrected.
> Sorry for the unwanted e-mail
>
> James
> KD0AJZ
>

19236. Re: Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 15:24:41 UTC
From: AB2ZY
Topic: 19225 Message: 19236

You've got an RF problem!

When I was a teenager in the 1960's, I used to take a dynamotor out of some war surplus electronic equipmemnt to gather worms for fishing. For those who don't know, a dynamotor is a small motor-generator set used to generate the HV for portable tube equipment. Usually artound 300V or so. I would run the dyanmotor from a 12V battery and connect the HV leads to a pair of steel wires that I would push into the wet ground.

Turn the apparatus on and the nightcrawlers would come streaming out of the ground to get away from the current!

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "radiotech750" <ranger2995@...> wrote:
>
> Well here goes! i have all my radio gear grounded to the outside via a 10ft copper braid to a 8ft copper rod.
> My wife was trimming the shrubs outside the shack window while i was inside talking on 10 meters. She came in and asked me" what are you doing to the ants" to which i responded "what"? She told me that every time I keyed up the radio to talk the the ants around the ground rod would "dance"
> I got her to come in and talk on the radio and sure enough when she talked the ants would seem to dance!
> Whats going on?
>
> Thanks
> Ernie
> KC8YOQ
>

19237. Re: [ham-antennas] Re: E-Mail

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 15:34:57 UTC
From: James E. Wells (KDØAJZ)
Topic: 19234 Message: 19237

Thank You. This is something I have seen before and being moderated is no problem. One thing the moderators should see is that I very rarely post. So if I were them I would be on my toes if they see a post that see one with a link. I also usually don't send links either. I find that some send them and when you click on them. You got something you did not expect. I usually tell the group the name of the site and let them look it up and decide if they want to go there.

Again Thank You for that support.
I did see the list that was sent out online in the sent box. But not here on my computer. I have changed passwords and scanned with 4 different programs and so far nothing. Now I will wait and see.

73's
James

From: AB2ZY
Sent: Tuesday, August 16, 2011 10:19 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: E-Mail

This sort of problem is almost never the result of a virus or anything else the alleged sender has any control over.

The problem is that Yahoo does not use any technology to ascertain whether or not an email message is actually from the sender.

Armed only with James Wells email address (mailto:kdoajz%40something.net) and the address of the Yahoo ham-antennas group (mailto:ham-antennas%40yahoogroups.com), I can set up an SMTP server on any computer connected to the internet and send an email to the group claiming to be from James. Yahoo will accept it and forward to the subscribers and post to the website.

The moderator will then put James on moderation even though James and his computer had nothing to do with the message.

This is how spammers work.

Al
AB2ZY

--- In mailto:ham-antennas%40yahoogroups.com, "James Wells" <kd0ajz@...> wrote:
>
> I am currently trying to find the little devil that sent out the infected e-mails.
> I am sorry. I do not know how it got there but it is. I will keep my e-mail client closed until it is corrected.
> Sorry for the unwanted e-mail
>

> James
> KD0AJZ
>

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6382 (20110816) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK
part001.htm - is OK

http://www.eset.com

[Non-text portions of this message have been removed]

19238. Re: WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 16:40:22 UTC
From: andrew
Topic: 19204 Message: 19238

would also like a picture .
andrew
kd5pnt

[Non-text portions of this message have been removed]

19239. Re: [ham-antennas] Re: Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 15:47:05 UTC
From: Stan Labinsky Jr.
Topic: 19225 Message: 19239

I wouldn't say that the O.P. (Original Poster) has an RF problem, the ants DO!

The copper in the ground is to make connection to the earth, which is conductive, and is providing a current carrying return for the antenna. (May not be intentional but is happening.)

It's the same thing as in a lightning strike; there is a gradient across the ground from the point of contact to the "out there" where the charge is dissipated to. Cows and people have been zapped because they were standing on and bridging that current path.

The ants were being electrocuted by the means that they were bridging the surface from the higher potential to the lower... conducting some of the O.P.'s good RF signal through their little bodies.

Those poor little ants! Shouldn't be zapping them! Now you'll have to mount an massive relocation project. Have it funded by tax dollars. Hire attorneys to settle any of the ant's claims... Councelling for your wife's wounded sensibilities cause she saw it happen...

And what about the worms??? Don't let me get started on the worms... please.

With tongue firmly planted in cheek... ;-)

Stan

----- Original Message -----
From: AB2ZY
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 16, 2011 11:24 AM
Subject: [ham-antennas] Re: Mystery of The Dancing Ants

You've got an RF problem!

19240. E-Mail

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 15:48:51 UTC
From: James E. Wells (KDØAJZ)
Topic: 19234 Message: 19240

I want to apologize about the unwanted mail you may have received from me. After careful investigation I found the unwanted e-mails in my sent box online. I never use the online email from Comcast. I did not find anything on my computer as far as a virus or other types of unwanted programs.
So I think that they got on my Comcast site and sent the e-mails. I changed my password on every account I have.
Also if you don't see the signature below then it is not from me. I only use this e-mail client and this signature would show up on any e-mail I send.

Again I am very Sorry for the e-mail.
Thanks For Being So Patient while I looked for the problem

James Wells

James Earl Wells
KDØAJZ
Blue Springs Amateur Radio Club
Output 444.950 MHz Input: + offset PL=107.2 Hz
Output 147.015 MHz Input: + offset PL=151.4 Hz

Member
ARRL
Jackson County-Missouri ARES

[Non-text portions of this message have been removed]

19241. Re: E-Mail

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 15:50:49 UTC
From: AB2ZY
Topic: 19234 Message: 19241

There is a rudimentary internet RFC (RFC 4408 I think) that describes a technique called Sender Policy Framework. It boils down to creating an entry in your DNS database that can be queried to determine what the IP addresses are of mail servers authorized to send mail on behalf of your domain.

For example, if you were to look up the SPF record for hourglass.com (my domain), you would find an entry that point to servers belonging to thoughtbus.net (our mail provider).

A common anti-spam technique is to check the source of incoming emails against the spf record for the domain the email claims to be from. If they don't agree, you can flag the email as probable spam.

I suspect Yahoo doesn't implement this because of the volume of mail it receives. It requires a DNS lookup for every incoming email.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, James E. Wells (KDÃ□AJZ) <kd0ajz@...> wrote:
>
> Thank You. This is something I have seen before and being moderated is no problem. One thing the moderators should see is that I very rarely post. So if I were them I would be on my toes if they see a post that see one with a link. I also usually donâ□□t send links either. I find that some send them and when you click on them. You got something you did not expect. I usually tell the group the name of the site and let them look it up and decide if they want to go there.
>
> Again Thank You for that support.
> I did see the list that was sent out online in the sent box. But not here on my computer. I have changed passwords and scanned with 4 different programs and so far nothing. Now I will wait and see.
>
> 73â□□s
> James
>
> From: AB2ZY
> Sent: Tuesday, August 16, 2011 10:19 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: E-Mail
>
>
> This sort of problem is almost never the result of a virus or anything else the alleged sender has any control over.
>
> The problem is that Yahoo does not use any technology to ascertain whether or not an email message is actually from the sender.
>
> Armed only with James Wells email address (mailto:kdoajz%40something.net) and the address of the Yahoo

ham-antennas group (mailto:ham-antennas%40yahoogroups.com), I can set up an SMTP server on any computer connected to the internet and send an email to the group claiming to be from James. Yahoo will accept it and forward to the subscribers and post to the website.
>
> The moderator will then put James on moderation even though James and his computer had nothing to do with the message.
>
> This is how spammers work.
>
> Al
> AB2ZY
>
> --- In mailto:ham-antennas%40yahoogroups.com, "James Wells" <kd0ajz@> wrote:
> >
> > I am currently trying to find the little devil that sent out the infected e-mails.
> > I am sorry. I do not know how it got there but it is. I will keep my e-mail client closed until it is corrected.
> > Sorry for the unwanted e-mail
> >
> > James
> > KD0AJZ
> >
>
>
>
>
>
> _____ Information from ESET NOD32 Antivirus, version of virus signature database 6382 (20110816) _____
>
> The message was checked by ESET NOD32 Antivirus.
>
> part000.txt - is OK
> part001.htm - is OK
>
> http://www.eset.com
>
>
> [Non-text portions of this message have been removed]
>

19242. RE: [ham-antennas] Re: WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 15:50:50 UTC
From: Richard Schmuke
Topic: 19204 Message: 19242

I am curious about the spreaders, where do you get schedule 10 PVC, I have seen it in 40, 80 and 120 but the only way I have seen schedule 10 is in different types of steel.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

[Non-text portions of this message have been removed]

19243. RE: [ham-antennas] Re: Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 15:58:13 UTC
From: jo barden
Topic: 19225 Message: 19243

I was until recently a lecturer of the wiring regulations here in the UK and trying to teach students in a built up area that when installing in rural areas that you must site Electrical Earth Rods so as to not cause injury/death to livestock could be quite interesting! Also actually measuring the resistance of the Earth using the 3 rod method. In all honesty nobody does it they just use an Earth Loop Impedance Tester to inject a current in the Live/Line-Earth loop.

But yes currents flowing in the general mass of Earth can be "interesting" I also worked on the railways and when rolling stock with regenerative braking was introduced it cause problems with foundation steelwork on building around Victoria Station in London, this required extra bonding/return current cables to be installed to reduce it. It was not helped being DC the electrolytic effects just added to the problems.

Sorry off down memory lane.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: stanbarb@...
Date: Tue, 16 Aug 2011 11:47:05 -0400
Subject: Re: [ham-antennas] Re: Mystery of The Dancing Ants

I wouldn't say that the O.P. (Original Poster) has an RF problem, the ants

DO!

The copper in the ground is to make connection to the earth, which is

conductive, and is providing a current carrying return for the antenna.

(May not be intentional but is happening.)

It's the same thing as in a lightning strike; there is a gradient across the

ground from the point of contact to the "out there" where the charge is

dissipated to. Cows and people have been zapped because they were standing

on and bridging that current path.

The ants were being electrocuted by the means that they were bridging the

surface from the higher potential to the lower... conducting some of the

O.P.'s good RF signal through their little bodies.

Those poor little ants! Shouldn't be zapping them! Now you'll have to

mount an massive relocation project. Have it funded by tax dollars. Hire attorneys to settle any of the ant's claims... Councelling for your wife's wounded sensibilities cause she saw it happen...

And what about the worms??? Don't let me get started on the worms... please.

With tongue firmly planted in cheek... ;-)

[Non-text portions of this message have been removed]

19244. Re: [ham-antennas] Re: E-Mail

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 16:18:59 UTC
From: Frank Kirschner
Topic: 19234 Message: 19244

As Al pointed out, there is almost certainly nothing wrong with your email account. You won't find a virus, nor will changing passwords help. The Internet is set up to trust servers, and if someone sets up a server and sends out email pretending to be from you, the Internet will simply pass it along as if it actually came from you. The place where it should be caught is coming in to Yahoo, before it gets to the group. Checking the originating IP address would reveal that it is a spoof message (i.e., not really from you).

I have my own domain, and at one point, I was getting up to 7,000 emails a day in response to spam that "hackers" were sending out using my domain. Very annoying, and there was really nothing I could do about it.

Good luck.

73,
Frank
KF6E

On Tue, Aug 16, 2011 at 11:34 AM, James E. Wells (KD?AJZ) <
kd0ajz@...> wrote:

> **
>
> I did see the list that was sent out online in the sent box. But not here
> on my computer. I have changed passwords and scanned with 4 different
> programs and so far nothing. Now I will wait and see.
>
> 73?s
> James
>

[Non-text portions of this message have been removed]

19245. Re: [ham-antennas] Re: Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 17:31:26 UTC
From: Andy
Topic: 19225 Message: 19245

> I wouldn't say that the O.P. (Original Poster) has an RF problem, the ants
> DO!

I would. (Say that the original poster does have an RF problem, that is.)

> The copper in the ground is to make connection to the earth, which is
> conductive, and is providing a current carrying return for the antenna.
> (May not be intentional but is happening.)

Shouldn't be happening.

Unless his antenna is a ground-mounted tower, and this ground rod is
at the base of the tower, and the braid to the ground rod comes from
the antenna end of his coax.

But he said the braid came from his "gear", which I took to mean his
electronics inside the shack.

What's supposed to be happening is that the transmitter sends an RF
current into the coax, all of which comes back on the shield of the
coax. Nothing should come back any other way. There should be no RF
current from his gear to or from a ground rod.

If there is, it means his antenna starts at the transmitter terminals
and includes the feedline itself and the wire to the ground rod.
That's probably not what he thought his antenna was.

Though I must say it could be fun to see the ants dance. I'm
wondering what that looked like.

Andy

19246. Re: [ham-antennas] Re: Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 19:14:32 UTC
From: Stan Labinsky Jr.
Topic: 19225 Message: 19246

Correct Andy, that's why my comment about it not being intentional but happening.
The antenna system in question was never mentioned, but probably might need a balun at the anteenna end, or more careful routing away from the radiator.

However, since OP doesn't seem to be experiencing any "hot mic" problems, the the ants are the ones who are feeling the pain... ;-)

Stan

----- Original Message -----
From: Andy
Subject: Re: [ham-antennas] Re: Mystery of The Dancing Ants

> I wouldn't say that the O.P. (Original Poster) has an RF problem, the ants
> DO!

I would. (Say that the original poster does have an RF problem, that is.)

> The copper in the ground is to make connection to the earth, which is
> conductive, and is providing a current carrying return for the antenna.
> (May not be intentional but is happening.)

Shouldn't be happening.

19247. Re: [ham-antennas] Re: Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 20:38:01 UTC
From: Ernie Rice
Topic: 19225 Message: 19247

WHAT?

Ernie

On Tue, Aug 16, 2011 at 12:14 PM, Stan Labinsky Jr. <
stanbarb@...> wrote:

> **
>
>
> Correct Andy, that's why my comment about it not being intentional but
> happening.
> The antenna system in question was never mentioned, but probably might need
>
> a balun at the anteenna end, or more careful routing away from the
> radiator.
>
> However, since OP doesn't seem to be experiencing any "hot mic" problems,
> the the ants are the ones who are feeling the pain... ;-)
>
> Stan
>
> ----- Original Message -----
> From: Andy
> Subject: Re: [ham-antennas] Re: Mystery of The Dancing Ants
>
> > I wouldn't say that the O.P. (Original Poster) has an RF problem, the
> ants
> > DO!
>
> I would. (Say that the original poster does have an RF problem, that is.)
>
> > The copper in the ground is to make connection to the earth, which is
> > conductive, and is providing a current carrying return for the antenna.
> > (May not be intentional but is happening.)
>
> Shouldn't be happening.
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

19248. Re: CCD Antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-16 21:20:11 UTC
From: Ben Franklin
Topic: 18238 Message: 19248

For what it is worth, I recently built an experimental 20 meter monoband CCD (Controlled Current Distribution) antenna. It works well and slightly outperforms my Buckmaster 4-Band OCF dipole.
This CCD antenna is specifically built to be stealthy and ultra lightweight. It is fabricated with 26 AWG stranded copper clad steel with black polyethylene insulation. The wire segments are directly soldered to the ceramic capacitors (axial leads), which are protected and concealed by black 4:1 dual-wall heat shrink tubing. The radials are very stealthy with only a slight bulge (3/16") at each of the capacitors. This antenna is very light and will not be able to handle any ice loading or high winds.
Each radial consists of eleven 31 5/16" segments (measured center to center between capacitors), 12 miniature 100pf 200 volt 5% ceramic capacitors and two 32" end segments, for a total of thirteen segments per radial. The two end segments are cut longer to allow for small loops for attachment to the balun and insulator. The antenna is fed into a LDG 4:1 200 watt voltage balun with low loss RG8 coax. I have run 100 watts SSB and 40 watts digital mode for long duty cycles with no failure of capacitors. SWR is nearly perfect at 1.0:1 from 14.1 mhz (but varies somewhat with height). Cost of materials was less than $60.

Noise levels with the CCD antenna are typically 10 dbm lower in comparison with the OCF dipole. After adjusting for noise levels, the CCD typically shows about 2 dbm greater gain than the OCF. My Flex 5000A calculates the true RMS power in dBm of the current signal (signal plus noise) within the passband, as measured at the selected antenna port.

If you build your own, please be advised that insulation and wire gauge both have a material effect on segment length due to reactance and velocity factors. Also, I would consider using capacitors with 1% tolerance in order to assure greater tuning accuracy. You must have an antenna analyzer to build one of these -- I used a Palstar ZM-30.

In testing the antenna I have observed some interesting results. First, it can be erected less than a foot off the ground as a flat dipole and maintain an SWR of 1.0: 1 across the entire band. Of course, in this configuration, the take-off angle is presumably very steep, but nevertheless I have worked Europe and the West Coast from my QTH in Maine with this ground level setup. This configuration is especially useful for anyone who needs a very stealthy antenna, however, the transmitted signal as reported by my contacts is typically down 9 top 12 db when compared directly with my OCF antenna (35 feet/inverted "V").
However, when the CCD is configured as an inverted "V" at 35 feet, I have noticed that many of my digital DX contacts are reporting RSQ 599 while their signals might be RSQ 448 or worse. This suggests that the CCD antenna has a nice low take-off angle and overall it outperforms my OCF dipole on 20 meters in this configuration. Finally, I have worked from New Zealand to Ecuador to Dubai with the CCD antenna and 100 watts SSB with good signal reports.

I am sufficiently encouraged by the results that I am now in the process of building a stealthy 20/40 dual band CCD. I am limited to simple wire antennas at my QTH -- towers and multi-element beams are not feasible, hence the interest in CCD technolgy.

Finally, if you are interested in CCD antennas, but don't need a stealthy antenna, you may want to consider purchasing a commercial product from CCDantennas.com The company also has information for builders and the owners are very helpful. I have no connection with the company.

Larry KB1VFU

--- In ham-antennas@yahoogroups.com, "Pete Bucy" <petebucy@...> wrote:
>
> I was on 40 meters tonight. A ham was singing the praises of CCD
> antennas. He was putting out a very clear and strong signal. I had never
> heard of them before. From what I read they use full wave wires for
> single and dual band antennas.
>
> http://ccdantennas.com/CCD/
>
>
> Pete - KD4CQZ
>

19249. Re: [ham-antennas] Re: CCD Antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 02:09:24 UTC
From: Andy
Topic: 18238 Message: 19249

Ben Franklin <bennyfrank85@...> wrote:
>
> The radials are very stealthy with only a slight bulge ...
> Each radial consists of eleven 31 5/16" segments ...

What are these "radials"?

I'm guessing you are referring to each of the segments between capacitors that make up the antenna. Not exactly what most people mean by "radials".

I take it your description refers to a home-built version. If I remember right, pictures of the commercial version show bare wire used throughout.

Andy

19250. Homebrew scanner antenna info needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 02:11:31 UTC
From: wd4aon@arrl.net
Topic: 19250 Message: 19250

Does anyone have plans for a simple homebrew scanner antenna? upper HF, VHF, UHF? Please excuse that this may be a little off topic.
Terry

19251. Re: [ham-antennas] Homebrew scanner antenna info needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 03:34:26 UTC
From: dean
Topic: 19250 Message: 19251

I put in Google “homebrew scanner antenna” and here is what I got.

http://www.ac6v.com/antprojects.htm

http://www.hamuniverse.com/antennas.html

http://wiki.radioreference.com/index.php/Scanner_Antennas
http://forums.radioreference.com/antennas-coax-forum/110901-homebrew-scanner-antenna.html
There are more out there. Not sure if its helpful or not but ....
just my $.02
73, WY6L

From: wd4aon@...
Sent: Tuesday, August 16, 2011 7:11 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Homebrew scanner antenna info needed

Does anyone have plans for a simple homebrew scanner antenna? upper HF, VHF, UHF? Please excuse that this may be a little off topic.
Terry

[Non-text portions of this message have been removed]

19252. 75 meter antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 05:33:58 UTC
From: William
Topic: 19252 Message: 19252

Hi to the group ,does anyone have a design for a 75 meter wire with a little gain ? Has anyone used the sloper with the two radiators at the bottom? Whats the best tried and true design .

19253. Re: [ham-antennas] 75 meter antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 05:50:41 UTC
From: Jeff Martin
Topic: 19252 Message: 19253

If it were up to me I would design a pair of inverted L verticals spaced 1/4 wavelength apart. You could use a couple of trees to support the horizontal parts of the flat top of the L's at 40'. With a phasing network, either homebrew or bought from Comtek, you could have a nice 75 meter antenna with a good low angle of radiation and 3 DB of gain. BTW don't forget a good ground system. It's a great performer if you have the room for it.

I've also seen articles where folks set up a 2 element wire beams but inserting reactance into the elements to change the beam direction is do-able. But at low heights the 2 element vertical array should out perform it.

Jeffrey D. Martin
5308 Abbott Avenue South
Minneapolis, MN 55410
612-825-5966 Home
612-812-2323 Cell

From: William <kj4ihl@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 12:33 AM
Subject: [ham-antennas] 75 meter antennas

Hi to the group ,does anyone have a design for a 75 meter wire with a little gain ? Has anyone used the sloper with the two radiators at the bottom? Whats the best tried and true design .

[Non-text portions of this message have been removed]

19254. Re: [ham-antennas] Re: Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 06:37:21 UTC
From: Larry Tooley
Topic: 19225 Message: 19254

I agree Andy. Years ago our TV mast pole was stuck in the ground and held by a bracket to the eve. It shocked me. . My VOM measured about 70 volts AC from the pole to earth. The pole was NOT grounded. Also if the ants are jumping that shows a leakage current from equipment to ground. May be RF but sure hope it's not 60 or 120 Hz AC.

----- Original Message -----
From: "Ernie Rice" <ranger2995@...>
To: <ham-antennas@yahoogroups.com>
Sent: Tuesday, August 16, 2011 3:38 PM
Subject: Re: [ham-antennas] Re: Mystery of The Dancing Ants

> WHAT?
>
> Ernie
>
> On Tue, Aug 16, 2011 at 12:14 PM, Stan Labinsky Jr. <
> stanbarb@...> wrote:
>
>> **
>>
>>
>> Correct Andy, that's why my comment about it not being intentional but
>> happening.
>> The antenna system in question was never mentioned, but probably might
>> need
>>
>> a balun at the anteenna end, or more careful routing away from the
>> radiator.
>>
>> However, since OP doesn't seem to be experiencing any "hot mic" problems,
>> the the ants are the ones who are feeling the pain... ;-)
>>
>> Stan
>>
>> ----- Original Message -----
>> From: Andy
>> Subject: Re: [ham-antennas] Re: Mystery of The Dancing Ants
>>
>> > I wouldn't say that the O.P. (Original Poster) has an RF problem, the
>> ants
>> > DO!
>>
>> I would. (Say that the original poster does have an RF problem, that is.)
>>

>> > The copper in the ground is to make connection to the earth, which is
>> > conductive, and is providing a current carrying return for the antenna.
>> > (May not be intentional but is happening.)
>>
>> Shouldn't be happening.
>>
>>
>>
>
>
>
> --
> Remember that when you think you have it all figured out... you wake up to
> start all over again!
> Trust yourself and MOST times you will not be disappointed
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19255. swan/hornet TB3HA rebuild

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 06:53:55 UTC
From: francesco
Topic: 19255 Message: 19255

in order to renew/rebuild this old antenna i am looking for the inductance or frequency resonance value (grid dip usage) of the 3 traps elements (''small frequency'' , ''medium frequency '' , ''long frequency'' as called in the assy manual) .Any other suggestion about will be appreciated.I remember that this antenna only use 1 trap per element/leg.

i8fym francesco

[Non-text portions of this message have been removed]

19256. Re: CCD Antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 11:04:51 UTC
From: Ben Franklin
Topic: 18238 Message: 19256

Andy -- Yes, the term is confusing and poorly chosen. I should have used the term elements, meaning the two elements that make up a conventional dipole. Each element has 12 capacitors and thirteen segments. The commercial product is not stealthy, consquently, I endeavored to fabricate a my own with low visibility insulated wire and cloaked capacitors.

--- In ham-antennas@yahoogroups.com, Andy <ai.egrps@...> wrote:
>
> Ben Franklin <bennyfrank85@...> wrote:
> >
> > The radials are very stealthy with only a slight bulge ...
> > Each radial consists of eleven 31 5/16" segments ...
>
> What are these "radials"?
>
> I'm guessing you are referring to each of the segments between
> capacitors that make up the antenna. Not exactly what most people
> mean by "radials".
>
> I take it your description refers to a home-built version. If I
> remember right, pictures of the commercial version show bare wire used
> throughout.
>
> Andy
>

19257. Re: [ham-antennas] Homebrew scanner antenna info needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 12:01:25 UTC
From: Jim Whitaker
Topic: 19250 Message: 19257

(Does anyone have plans for a simple homebrew scanner antenna? upper HF, VHF, UHF? Please excuse that this may be a little off topic.
Terry)

I know you want to build one, but in all honesty nothing makes a better scanner antenna then a discone. That said it’s a hard build (for me at least), MFJ makes a good discone at a good price.

[Non-text portions of this message have been removed]

19258. AW: [ham-antennas] swan/hornet TB3HA rebuild

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 12:31:20 UTC
From: Siegfried Jackstien
Topic: 19255 Message: 19258

One trap per leg?? or 2 traps in ONE housing??
That is what is used in many 3 band designs (beam or vertical)
And so I would guess that then you can maybe use info from a different 3
band beam ...
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von francesco
> Gesendet: Mittwoch, 17. August 2011 06:54
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] swan/hornet TB3HA rebuild
>
>
>
>
> in order to renew/rebuild this old antenna i am looking for the
> inductance or frequency resonance value (grid dip usage) of the 3 traps
> elements (''small frequency'' , ''medium frequency '' , ''long
> frequency'' as called in the assy manual) .Any other suggestion about
> will be appreciated.I remember that this antenna only use 1 trap per
> element/leg.
>
> i8fym francesco
>
> [Non-text portions of this message have been removed]
>
>
>
>

19259. Re: [ham-antennas] 75 meter antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 13:56:18 UTC
From: Joe
Topic: 19252 Message: 19259

Extended double zepp?

I've used them. works pretty good.

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 8/17/2011 12:33 AM, William wrote:
> Hi to the group ,does anyone have a design for a 75 meter wire with a little gain ? Has anyone used the sloper with the two radiators at the bottom? Whats the best tried and true design .
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

19260. Yaesu FT-920 + goodies for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 14:00:29 UTC
From: oceanbiz01
Topic: 19260 Message: 19260

Good Day to All.

While it pains me to do so, I am downsizing my shack and the FT-920 is part of the downsizing.
This 920 is in immaculate physical condition. I sent it to Yaesu to have the ATU repaired and Yaesu did the repair and in their repair report they mentioned that the FT-920 meets all Yaesu Specs. They went through a complete alignment apparently, following ATU repair. I have the documents from Yaesu to prove it.

Included:
FT-920
MARS/CAP 60 Meter Mod installed
Installed CW Filter, SSB Filter, AM Filter, FM Board and TCXO.
Original MH-31B8 Hand Mic still in it's box
Original Oscillator in separate box that was replaced with the TCXO
Spare red and green buttons for the RX and TX buttons. (I replaced one but had bought spares) .
Original Manual and DC power cord
As a bonus:
Donner Digital Systems interface for RTTY, PSK, SSTV etc. New unused and has the correct Mini DIN plug for FT-897D and FT-817ND. But also included in the correct large DIN plug for the DATA jack on the 920. Also included is a mating female connector for the MINI-DIN so that an adapter cable can be made to go from the Donner connector to the FT-920 .
All documentation will be included.

I worked a heck of a lot of DX with this radio from 160 through 6 meters. I just now turned it on and connected it to my vertical antenna just to make sure that it is humming right along and it sounds great. Transmits just as good.

Asking $950 free UPS Ground shipping to anywhere in the lower 48 states. Any place outside of the lower 48 will cost extra. I will like payment by Paypal . Paypal is preferred sent as a gift to avoid my being charged the Paypal 3% fee.

Also for sale:
TE Systems 0510G 6 meter brick amplifier with DC power Cord and manual $350.00 + shipping cost

MFJ-989C Versa Tuner 3 KW Roller Inductor type with manual. $250 + shipping cost

MFJ-1279 Digital Interface $50 + shipping

MFJ-1263 Microphone Switch $50 + shipping

Interested parties should email me directly at dan-schaaf@...

Thanks for your consideration

Dan K3ZXL

19261. AW: [ham-antennas] 75 meter antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 14:04:38 UTC
From: Siegfried Jackstien
Topic: 19252 Message: 19261

Two times 50m (2x5/8) ... most bang for the buck
And with a good tuner also very good for topband
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe
> Gesendet: Mittwoch, 17. August 2011 13:56
> An: ham-antennas@yahoogroups.com
> Cc: William
> Betreff: Re: [ham-antennas] 75 meter antennas
>
>
>
> Extended double zepp?
>
> I've used them. works pretty good.
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 8/17/2011 12:33 AM, William wrote:
> > Hi to the group ,does anyone have a design for a 75 meter wire with a
> little gain ? Has anyone used the sloper with the two radiators at the
> bottom? Whats the best tried and true design .
> >
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com <mailto:ham-antennas-
> subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com <mailto:ham-
> antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com <mailto:ham-antennas-

> owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19262. Re: [ham-antennas] Yaesu FT-920 + goodies for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 14:16:50 UTC
From: yash@aol.com
Topic: 19260 Message: 19262

Hi Dan
I just sold my Drake C-line today,waiting for the pmo to arrive. I saw your ad for the 920,one of my favorite rigs,had one for several years before I got into the boat anchors...anyway Iam in Cape Coral and would pick up the 920 if I bought it.I can assume its never been around smoke? Do you still have the shipping boxs?
thanks
dale wt4t

-----Original Message-----
From: oceanbiz01 <dan-schaaf@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Wed, Aug 17, 2011 10:00 am
Subject: [ham-antennas] Yaesu FT-920 + goodies for sale

Good Day to All.

While it pains me to do so, I am downsizing my shack and the FT-920 is part of the downsizing.
This 920 is in immaculate physical condition. I sent it to Yaesu to have the ATU repaired and Yaesu did the repair and in their repair report they mentioned that the FT-920 meets all Yaesu Specs. They went through a complete alignment apparently, following ATU repair. I have the documents from Yaesu to prove it.

Included:
FT-920
MARS/CAP 60 Meter Mod installed
Installed CW Filter, SSB Filter, AM Filter, FM Board and TCXO.
Original MH-31B8 Hand Mic still in it's box
Original Oscillator in separate box that was replaced with the TCXO
Spare red and green buttons for the RX and TX buttons. (I replaced one but had bought spares) .
Original Manual and DC power cord
As a bonus:
Donner Digital Systems interface for RTTY, PSK, SSTV etc. New unused and has the correct Mini DIN plug for FT-897D and FT-817ND. But also included in the correct large DIN plug for the DATA jack on the 920. Also included is a mating female connector for the MINI-DIN so that an adapter cable can be made to go from the Donner connector to the FT-920 .
All documentation will be included.

I worked a heck of a lot of DX with this radio from 160 through 6 meters. I just now turned it on and connected it to my vertical antenna just to make sure that it is humming right along and it sounds great. Transmits just as good.

Asking $950 free UPS Ground shipping to anywhere in the lower 48 states. Any place outside of the lower 48 will cost extra. I will like payment by Paypal . Paypal is preferred sent as a gift to avoid my being charged the Paypal 3% fee.

Also for sale:
TE Systems 0510G 6 meter brick amplifier with DC power Cord and manual $350.00 + shipping cost

MFJ-989C Versa Tuner 3 KW Roller Inductor type with manual. $250 + shipping cost

MFJ-1279 Digital Interface $50 + shipping

MFJ-1263 Microphone Switch $50 + shipping

Interested parties should email me directly at dan-schaaf@...

Thanks for your consideration

Dan K3ZXL

[Non-text portions of this message have been removed]

19263. Re: AW: [ham-antennas] swan/hornet TB3HA rebuild

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 14:18:58 UTC
From: Ken Burchfield
Topic: 19255 Message: 19263

Files on this group:
Has a bit of triband Hornet 750 information,maybe of help?
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Siegfried Jackstien <siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 7:31 AM
Subject: AW: [ham-antennas] swan/hornet TB3HA rebuild

One trap per leg?? or 2 traps in ONE housing??
That is what is used in many 3 band designs (beam or vertical)
And so I would guess that then you can maybe use info from a different 3
band beam ...
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von francesco
> Gesendet: Mittwoch, 17. August 2011 06:54
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] swan/hornet TB3HA rebuild
>
>
>
>
> in order to renew/rebuild this old antenna i am looking for the
> inductance or frequency resonance value (grid dip usage) of the 3 traps
> elements (''small frequency'' , ''medium frequency '' , ''long
> frequency'' as called in the assy manual) .Any other suggestion about
> will be appreciated.I remember that this antenna only use 1 trap per
> element/leg.
>
> i8fym francesco
>

[Non-text portions of this message have been removed]

19264. Re: [ham-antennas] Yaesu FT-920 + goodies for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 14:23:34 UTC
From: Dan Schaaf
Topic: 19260 Message: 19264

Hi Dale

When I sent it to Yaesu, they confiscated the original box and returned the 920 in a new box with poured foam packing. That box and packing is in excellent condition.

I smoke but not in the shack.

And all radios are covered when not in use.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: yash@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 10:16 AM
Subject: Re: [ham-antennas] Yaesu FT-920 + goodies for sale

Hi Dan
I just sold my Drake C-line today,waiting for the pmo to arrive. I saw your ad for the 920,one of my favorite rigs,had one for several years before I got into the boat anchors...anyway Iam in Cape Coral and would pick up the 920 if I bought it.I can assume its never been around smoke? Do you still have the shipping boxs?
thanks
dale wt4t

-----Original Message-----
From: oceanbiz01 <dan-schaaf@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Wed, Aug 17, 2011 10:00 am
Subject: [ham-antennas] Yaesu FT-920 + goodies for sale

Good Day to All.

While it pains me to do so, I am downsizing my shack and the FT-920 is part of the downsizing.
This 920 is in immaculate physical condition. I sent it to Yaesu to have the ATU repaired and Yaesu did the repair and in their repair report they mentioned that the FT-920 meets all Yaesu Specs. They went through a complete alignment apparently, following ATU repair. I have the documents from Yaesu to prove it.

Included:
FT-920
MARS/CAP 60 Meter Mod installed
Installed CW Filter, SSB Filter, AM Filter, FM Board and TCXO.
Original MH-31B8 Hand Mic still in it's box
Original Oscillator in separate box that was replaced with the TCXO
Spare red and green buttons for the RX and TX buttons. (I replaced one but had bought spares) .
Original Manual and DC power cord
As a bonus:
Donner Digital Systems interface for RTTY, PSK, SSTV etc. New unused and has the correct Mini DIN plug for FT-897D and FT-817ND. But also included in the correct large DIN plug for the DATA jack on the 920. Also included is a mating female connector for the MINI-DIN so that an adapter cable can be made to go from the Donner connector to the FT-920 .
All documentation will be included.

I worked a heck of a lot of DX with this radio from 160 through 6 meters. I just now turned it on and connected it to my vertical antenna just to make sure that it is humming right along and it sounds great. Transmits just as good.

Asking $950 free UPS Ground shipping to anywhere in the lower 48 states. Any place outside of the lower 48 will cost extra. I will like payment by Paypal . Paypal is preferred sent as a gift to avoid my being charged the Paypal 3% fee.

Also for sale:
TE Systems 0510G 6 meter brick amplifier with DC power Cord and manual $350.00 + shipping cost

MFJ-989C Versa Tuner 3 KW Roller Inductor type with manual. $250 + shipping cost

MFJ-1279 Digital Interface $50 + shipping

MFJ-1263 Microphone Switch $50 + shipping

Interested parties should email me directly at dan-schaaf@...

Thanks for your consideration

Dan K3ZXL

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19265. Re: [ham-antennas] Re: Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 16:35:45 UTC
From: Andy
Topic: 19225 Message: 19265

> by a bracket to the eve. It shocked me. . My VOM measured about 70 volts
> AC from the pole to earth.

That one sounds like the kind of problem you get when some equipment
has a pair of 0.01 uF capacitors, one from each leg of the AC line to
chassis, in the days before grounded 3-prong power plugs. The caps
were supposedly there to bypass any RF noise from coming in on the
power line. But it makes a nice AC voltage divider and puts the
chassis at 120V/2 AC.

Yes, some professional equipment was actually designed that way!

It's not enough to kill you (if you and your surroundings are dry!),
but it is enough to draw some pretty nasty looking sparks.

> Also if the ants are
> jumping that shows a leakage current from equipment to ground. May be RF but
> sure hope it's not 60 or 120 Hz AC.

Sounds like it is RF in that case, since the ants dance only when he
was transmitting.

Andy

19266. Can rfi damage components?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 16:43:09 UTC
From: Douglas
Topic: 19266 Message: 19266

All,

Besides being annoying, can rfi damage the components that it's interfering with?

Ex.

Computers, thermostats etc...

Thanks,

Doug
Kb2uka

19267. Re: [ham-antennas] Can rfi damage components?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 17:00:13 UTC
From: Andy
Topic: 19266 Message: 19267

> Besides being annoying, can rfi damage the components that it's interfering with?

Given the right circumstances, I'd say yes. Hypothetically.

For the RF itself to directly damage components, the amount of it needs to be significant with respect to the voltage tolerance of the device. For example, modern computer chips can't tolerate more than a couple of volts across their terminals, and if the circuit it is part of was designed with no RF immunity in mind (and sloppy electrical characteristics in general ... not likely these days if one wants to make a working computer, but you never know), then the RF *might* induce enough voltage across parts of the chip to zap it.

Some components are more delicate than others. Some MOSFETs are very hi-Z devices and are more easily damaged by static and stray voltages.

How much voltage you get depends on how close it is to the offending RF field and how much power is involved.

RFI could cause damage in other ways.

RFI into an audio system makes annoying, loud noises. With a powerful enough audio amp, it might blow out a speaker, or some transistors if not protected.

RFI into a computer might make it malfunction and erase data on the drive. But when computers crash or freeze, they don't usually take the drive down with them.

I suppose RFI into a susceptible thermostat might cause it to overheat your home.

I am not aware of cases where RFI damaged something. I am just saying that there is that potential.

Andy

19268. AW: [ham-antennas] Can rfi damage components?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 17:09:46 UTC
From: Siegfried Jackstien
Topic: 19266 Message: 19268

It depends
I would say in most cases not ... but if you are close to a rock concert and your rfi is getting in the audio equipment maybe you could blow up the tweeters in heaven ...:-(...

Maybe other things can happen ... it depends on what causes the rfi and how much the electronic device is influenced
A ham-friend blew up the voltage regulator from the solar panels in his mobile home with abt 400w on shortwave and a mobile antenna at the back end of the mobile home .. now guess what .. voltage was not controlled
In the sun the panels gave abt. 17-18 volts ... danger for all 12v equipment in the area!!
So .... it depends ...
Dg9bfc
Sigi
Ps rfi can do other funny things in car electronics hi hi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Douglas
> Gesendet: Mittwoch, 17. August 2011 16:43
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Can rfi damage components?
>
>
>
> All,
>
> Besides being annoying, can rfi damage the components that it's
> interfering with?
>
> Ex.
>
> Computers, thermostats etc...
>
> Thanks,
>
> Doug
> Kb2uka
>
>
>
>

19269. AW: [ham-antennas] Can rfi damage components?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 17:10:53 UTC
From: Siegfried Jackstien
Topic: 19266 Message: 19269

Very well explained :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Andy
> Gesendet: Mittwoch, 17. August 2011 17:00
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Can rfi damage components?
>
>
>
> > Besides being annoying, can rfi damage the components that it's
> interfering with?
>
> Given the right circumstances, I'd say yes. Hypothetically.
>
> For the RF itself to directly damage components, the amount of it
> needs to be significant with respect to the voltage tolerance of the
> device. For example, modern computer chips can't tolerate more than a
> couple of volts across their terminals, and if the circuit it is part
> of was designed with no RF immunity in mind (and sloppy electrical
> characteristics in general ... not likely these days if one wants to
> make a working computer, but you never know), then the RF *might*
> induce enough voltage across parts of the chip to zap it.
>
> Some components are more delicate than others. Some MOSFETs are very
> hi-Z devices and are more easily damaged by static and stray voltages.
>
> How much voltage you get depends on how close it is to the offending
> RF field and how much power is involved.
>
> RFI could cause damage in other ways.
>
> RFI into an audio system makes annoying, loud noises. With a powerful
> enough audio amp, it might blow out a speaker, or some transistors if
> not protected.
>
> RFI into a computer might make it malfunction and erase data on the
> drive. But when computers crash or freeze, they don't usually take
> the drive down with them.
>
> I suppose RFI into a susceptible thermostat might cause it to overheat
> your home.

>
> I am not aware of cases where RFI damaged something. I am just saying
> that there is that potential.
>
> Andy
>
>
>

19270. Re: [ham-antennas] swan/hornet TB3HA rebuild

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 17:13:58 UTC
From: francesco
Topic: 19255 Message: 19270

thanks for interest.One trap per leg i think is two traps in one housing.I have compared the TB750 versus the TB3HA and really they are the same (TB750 has less tubes but they are longer), the mounting
instruction give exactly the same dimensions.What i really need is a tip in order to verify/test (before mounting) the traps (i have one that is not equal to his twin .....grid dip test made).Any suggestion about the approximate value of frequency resonance ?

francesco

--- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@...> wrote:
>
> Files on this group:
> Has a bit of triband Hornet 750 information,maybe of help?
> 73 Ken
>
>
> PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
>
>
>
> _____
> From: Siegfried Jackstien <siegfried.jackstien@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, August 17, 2011 7:31 AM
> Subject: AW: [ham-antennas] swan/hornet TB3HA rebuild
>
>
>
> One trap per leg?? or 2 traps in ONE housing??
> That is what is used in many 3 band designs (beam or vertical)
> And so I would guess that then you can maybe use info from a different 3
> band beam ...
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von francesco
> > Gesendet: Mittwoch, 17. August 2011 06:54
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] swan/hornet TB3HA rebuild
> >
> >

> >
> >
> > in order to renew/rebuild this old antenna i am looking for the
> > inductance or frequency resonance value (grid dip usage) of the 3 traps
> > elements (''small frequency'' , ''medium frequency '' , ''long
> > frequency'' as called in the assy manual) .Any other suggestion about
> > will be appreciated.I remember that this antenna only use 1 trap per
> > element/leg.
> >
> > i8fym francesco
> >
>
>
> [Non-text portions of this message have been removed]
>

19271. Re: [ham-antennas] Re: Mystery of The Dancing Ants

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 17:32:34 UTC
From: Ernie Rice
Topic: 19225 Message: 19271

I am making a video of the dancing ants and will post it on you tube! Funny
stuff

Ernie
KC8YOQ

On Wed, Aug 17, 2011 at 9:35 AM, Andy <ai.egrps@gmail.com> wrote:

> **
>
>
> > by a bracket to the eve. It shocked me. . My VOM measured about 70
> volts
> > AC from the pole to earth.
>
> That one sounds like the kind of problem you get when some equipment
> has a pair of 0.01 uF capacitors, one from each leg of the AC line to
> chassis, in the days before grounded 3-prong power plugs. The caps
> were supposedly there to bypass any RF noise from coming in on the
> power line. But it makes a nice AC voltage divider and puts the
> chassis at 120V/2 AC.
>
> Yes, some professional equipment was actually designed that way!
>
> It's not enough to kill you (if you and your surroundings are dry!),
> but it is enough to draw some pretty nasty looking sparks.
>
> > Also if the ants are
> > jumping that shows a leakage current from equipment to ground. May be RF
> but
> > sure hope it's not 60 or 120 Hz AC.
>
> Sounds like it is RF in that case, since the ants dance only when he
> was transmitting.
>
> Andy
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

19272. AW: [ham-antennas] swan/hornet TB3HA rebuild

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 17:37:40 UTC
From: Siegfried Jackstien
Topic: 19255 Message: 19272

10 and 15m ...
On director a bit higher and on reflector a bit lower
If one of them is out of spec you should clearly see it with a gdo
And what trap is for what element can be easy seen if you open them
The capacitance in the traps are almost the same as the outer diameter of
the tube is fixed ... so the difference is in the turns of the coil inside
Count them!
Lowest count director ... mid count radiator, highest count reflector
Maybe that helps you a bit
If all is cleaned up well and all connections are made properly you should
be come very close to goal
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von francesco
> Gesendet: Mittwoch, 17. August 2011 17:14
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] swan/hornet TB3HA rebuild
>
>
>
> thanks for interest.One trap per leg i think is two traps in one housing.I
> have compared the TB750 versus the TB3HA and really they are the same
> (TB750 has less tubes but they are longer), the mounting
> instruction give exactly the same dimensions.What i really need is a tip
> in order to verify/test (before mounting) the traps (i have one that is
> not equal to his twin .....grid dip test made).Any suggestion about the
> approximate value of frequency resonance ?
>
> francesco
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , Ken Burchfield <k5jxl@...> wrote:
> >
> > Files on this group:
> > Has a bit of triband Hornet 750 information,maybe of help?
> > 73 Ken
> >
> >
> > PacketRadio is Still
> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
> >
> >

> >
> >
> > _____
> > From: Siegfried Jackstien <siegfried.jackstien@...>
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Wednesday, August 17, 2011 7:31 AM
> > Subject: AW: [ham-antennas] swan/hornet TB3HA rebuild
> >
> >
> >
> > One trap per leg?? or 2 traps in ONE housing??
> > That is what is used in many 3 band designs (beam or vertical)
> > And so I would guess that then you can maybe use info from a different 3
> > band beam ...
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > > Auftrag von francesco
> > > Gesendet: Mittwoch, 17. August 2011 06:54
> > > An: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > > Betreff: [ham-antennas] swan/hornet TB3HA rebuild
> > >
> > >
> > >
> > >
> > > in order to renew/rebuild this old antenna i am looking for the
> > > inductance or frequency resonance value (grid dip usage) of the 3
> traps
> > > elements (''small frequency'' , ''medium frequency '' , ''long
> > > frequency'' as called in the assy manual) .Any other suggestion about
> > > will be appreciated.I remember that this antenna only use 1 trap per
> > > element/leg.
> > >
> > > i8fym francesco
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>

19273. Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 20:36:29 UTC
From: k1eg
Topic: 19273 Message: 19273

Hi everyone,

I am working on a project for presentation at our annual ARES convention here in Kentucky and need some help finding information. As we all know antennas exposed to the weather derogate over time whether they are made from copper or aluminum. Many HAM's do not really think about this as part of their maintenance they should be doing.
What I am looking for is any information or studies that measured or shows how much antenna efficiency decreases over time from exposure to the weather. I have done extensive research online and in my engineering books and cannot find anything

73 de k1eg
Mike

19274. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 20:50:03 UTC
From: Dean Moore
Topic: 19273 Message: 19274

Mike,

Here is an article that deals with coax cable degradation with weather conditions but can't find anything specific about antennas. I agree there should be something on the subject....and maybe some good ham out there will do a study and write an article that covers this!

http://www.radio-electronics.com/info/antennas/coax/coax-environmental.php

73, Dean
CD5846 Ex-ZP6XD

k1eg wrote:
>
>
> Hi everyone,
>
> I am working on a project for presentation at our annual ARES convention
> here in Kentucky and need some help finding information. As we all know
> antennas exposed to the weather derogate over time whether they are made
> from copper or aluminum. Many HAM's do not really think about this as
> part of their maintenance they should be doing.
> What I am looking for is any information or studies that measured or
> shows how much antenna efficiency decreases over time from exposure to
> the weather. I have done extensive research online and in my engineering
> books and cannot find anything
>
> 73 de k1eg
> Mike
>
>

19275. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 21:01:00 UTC
From: Ron Youvan
Topic: 19273 Message: 19275

Mike K1EG wrote:

> I am working on a project for presentation at our annual ARES convention here in Kentucky and need
> some help finding information. As we all know antennas exposed to the weather derogate over time
> whether they are made from copper or aluminum. Many HAM's do not really think about this as part of
> their maintenance they should be doing.
> What I am looking for is any information or studies that measured or shows how much antenna
> efficiency decreases over time from exposure to the weather. I have done extensive research online
> and in my engineering books and cannot find anything

I don't see the efficiency of the wire or porcelain or glass insulators changing, but my ~25 year
old 40 meter dipole made from 12 AWG copperweld almost rusted through completely in several places.
Anything plastic will change, mostly deteriorating from the elements and time. (and stretching)
The least noticeable thing effecting operation is the extremely slow deterioration of the polyethylene which is the center conductor insulation in the coax or on the windowing line.
Any physical hard bend of any coax and flexing from winds will result in physical crushing or other
damage to the center conductor insulation and possibly slow breaking of the inner conductor.
(strands if stranded) Frequently before 20 years has elapsed.

Coax commonly used by HAMs is covered with a vinyl jacket that was intended to be used indoors, coax
designed for exterior use is covered with polyethylene, the deterioration of the vinyl is effected
by the weather at the site, being mostly damaged by the rays of the sun. (also by the effects of
water and bacterial infections) Once the jacket of penetrated the water will corrode the shield
increasing losses quite a bit.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19276. Re: AW: [ham-antennas] swan/hornet TB3HA rebuild

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 22:13:52 UTC
From: Ken Burchfield
Topic: 19255 Message: 19276

Hoping this will help ID the resonant frequencies.
May be different for the Hornet.....Any suggestion about the
> approximate value of frequency resonance ?
73 Ken

http://www.qsl.net/kg4bin/traps.html
Table 1. Specifications of the traps used
in this antenna.
band trap form coax length coax turns design frequency actual frequency
10 meters 3/4" PVC coupling (1.375" OD) 20.25" 4 28.85 MHz 28.5 MHz, 28.7 MHz
15 meters 3/4" PVC coupling (1.375" OD) 26" 5.25 21.225 MHz 21.1 MHz
20 meters 1" PVC coupling (1.625" OD) 35.5" 6 14.175 MHz 14.2 MHz
30 meters 1.25" PVC coupling (2.0" OD) 46.25" 6.5 10.125 MHz 10.12 MHz
40 meters 1.5" PVC coupling (2.25" OD) 61" 7.75 7.15 MHz 7.15 MHz
 PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

_____
From: Siegfried Jackstien <siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 12:37 PM
Subject: AW: [ham-antennas] swan/hornet TB3HA rebuild

10 and 15m ...
On director a bit higher and on reflector a bit lower
If one of them is out of spec you should clearly see it with a gdo
And what trap is for what element can be easy seen if you open them
The capacitance in the traps are almost the same as the outer diameter of
the tube is fixed ... so the difference is in the turns of the coil inside
Count them!
Lowest count director ... mid count radiator, highest count reflector
Maybe that helps you a bit
If all is cleaned up well and all connections are made properly you should
be come very close to goal
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von francesco
> Gesendet: Mittwoch, 17. August 2011 17:14
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] swan/hornet TB3HA rebuild
>
>
>
> thanks for interest.One trap per leg i think is two traps in one housing.I

> have compared the TB750 versus the TB3HA and really they are the same
> (TB750 has less tubes but they are longer), the mounting
> instruction give exactly the same dimensions.What i really need is a tip
> in order to verify/test (before mounting) the traps (i have one that is
> not equal to his twin .....grid dip test made).Any suggestion about the
> approximate value of frequency resonance ?
>
> francesco
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , Ken Burchfield <k5jxl@...> wrote:
> >
> > Files on this group:
> > Has a bit of triband Hornet 750 information,maybe of help?
> > 73 Ken
> >
> >
> > PacketRadio is Still
> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
> >
> >
> >
> >
> > _____
> > From: Siegfried Jackstien <siegfried.jackstien@...>
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Wednesday, August 17, 2011 7:31 AM
> > Subject: AW: [ham-antennas] swan/hornet TB3HA rebuild
> >
> >
> >
> > One trap per leg?? or 2 traps in ONE housing??
> > That is what is used in many 3 band designs (beam or vertical)
> > And so I would guess that then you can maybe use info from a different 3
> > band beam ...
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > > Auftrag von francesco
> > > Gesendet: Mittwoch, 17. August 2011 06:54
> > > An: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > > Betreff: [ham-antennas] swan/hornet TB3HA rebuild
> > >
> > >
> > >

> > >
> > > in order to renew/rebuild this old antenna i am looking for the
> > > inductance or frequency resonance value (grid dip usage) of the 3
> traps
> > > elements (''small frequency'' , ''medium frequency '' , ''long
> > > frequency'' as called in the assy manual) .Any other suggestion about
> > > will be appreciated.I remember that this antenna only use 1 trap per
> > > element/leg.
> > >
> > > i8fym francesco
> > >
> >

[Non-text portions of this message have been removed]

19277. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 22:24:25 UTC
From: dean
Topic: 19273 Message: 19277

My HF station went up in 2007 when I got my General ticket. The coax was bad when it went up but its still working great. I have new LMR 400 to go up in its place but I’m waiting on cooler weather and will be putting up a G-800DXA rotator.

73, WY6L

From: Ron Youvan
Sent: Wednesday, August 17, 2011 2:01 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna aging

Mike K1EG wrote:

> I am working on a project for presentation at our annual ARES convention here in Kentucky and need
> some help finding information. As we all know antennas exposed to the weather derogate over time
> whether they are made from copper or aluminum. Many HAM's do not really think about this as part of
> their maintenance they should be doing.
> What I am looking for is any information or studies that measured or shows how much antenna
> efficiency decreases over time from exposure to the weather. I have done extensive research online
> and in my engineering books and cannot find anything

I don't see the efficiency of the wire or porcelain or glass insulators changing, but my ~25 year
old 40 meter dipole made from 12 AWG copperweld almost rusted through completely in several places.
Anything plastic will change, mostly deteriorating from the elements and time. (and stretching)
The least noticeable thing effecting operation is the extremely slow deterioration of the polyethylene which is the center conductor insulation in the coax or on the windowing line.
Any physical hard bend of any coax and flexing from winds will result in physical crushing or other
damage to the center conductor insulation and possibly slow breaking of the inner conductor.
(strands if stranded) Frequently before 20 years has elapsed.

Coax commonly used by HAMs is covered with a vinyl jacket that was intended to be used indoors, coax
designed for exterior use is covered with polyethylene, the deterioration of the vinyl is effected
by the weather at the site, being mostly damaged by the rays of the sun. (also by the effects of

water and bacterial infections) Once the jacket of penetrated the water will corrode the shield
increasing losses quite a bit.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

19278. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 22:36:08 UTC
From: Michael Lodico
Topic: 19273 Message: 19278

Hi Dean,

If I remember correctly back in the previous solar cycle as it was declining I believe there were studies showing this info to promote cleaning your antennas to improve your chance to work some rare DX. I have a gut feeling that the info was probably on AOL or Geocities websites which are long gone now. I found that after 1 year exposure to the weather cleaning my G5RV sure did help me pick out some rare DX. I suspect that DX'ers more so than rag chewers notice when their antennas start to decline. What got me going was Wireman advertising the "Silky" wire as having no more loss than a bare copper antenna exposed for 1 year to the elements.

73,
Mike

On 8/17/2011 3:50 PM, Dean Moore wrote:
> Mike,
>
> Here is an article that deals with coax cable degradation with weather
> conditions but can't find anything specific about antennas. I agree
> there should be something on the subject....and maybe some good ham out
> there will do a study and write an article that covers this!
>
> http://www.radio-electronics.com/info/antennas/coax/coax-environmental.php
>
> 73, Dean
> CD5846 Ex-ZP6XD
>
>
> k1eg wrote:
>>
>>
>> Hi everyone,
>>
>> I am working on a project for presentation at our annual ARES convention
>> here in Kentucky and need some help finding information. As we all know
>> antennas exposed to the weather derogate over time whether they are made
>> from copper or aluminum. Many HAM's do not really think about this as
>> part of their maintenance they should be doing.
>> What I am looking for is any information or studies that measured or
>> shows how much antenna efficiency decreases over time from exposure to
>> the weather. I have done extensive research online and in my engineering
>> books and cannot find anything
>>
>> 73 de k1eg

>> Mike
>>
>>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

19279. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 22:41:21 UTC
From: Michael Lodico
Topic: 19273 Message: 19279

Hi Ron,

I do know from experience working DX in the last declining solar cycle that after a year of my G5RV being up I could hear a difference in received signals. I cleaned the copper and put it back up and there was a noticeable difference in received signals.

73,
Mike

On 8/17/2011 4:01 PM, Ron Youvan wrote:
>
> Mike K1EG wrote:
>
> > I am working on a project for presentation at our annual ARES
> convention here in Kentucky and need
> > some help finding information. As we all know antennas exposed to
> the weather derogate over time
> > whether they are made from copper or aluminum. Many HAM's do not
> really think about this as part of
> > their maintenance they should be doing.
> > What I am looking for is any information or studies that measured or
> shows how much antenna
> > efficiency decreases over time from exposure to the weather. I have
> done extensive research online
> > and in my engineering books and cannot find anything
>
> I don't see the efficiency of the wire or porcelain or glass
> insulators changing, but my ~25 year
> old 40 meter dipole made from 12 AWG copperweld almost rusted through
> completely in several places.
> Anything plastic will change, mostly deteriorating from the elements
> and time. (and stretching)
> The least noticeable thing effecting operation is the extremely slow
> deterioration of the
> polyethylene which is the center conductor insulation in the coax or
> on the windowing line.
> Any physical hard bend of any coax and flexing from winds will result
> in physical crushing or other
> damage to the center conductor insulation and possibly slow breaking
> of the inner conductor.
> (strands if stranded) Frequently before 20 years has elapsed.
>
> Coax commonly used by HAMs is covered with a vinyl jacket that was
> intended to be used indoors, coax
> designed for exterior use is covered with polyethylene, the

> deterioration of the vinyl is effected
> by the weather at the site, being mostly damaged by the rays of the
> sun. (also by the effects of
> water and bacterial infections) Once the jacket of penetrated the
> water will corrode the shield
> increasing losses quite a bit.
> --
> Ron KA4INM - Mistakes are often the stepping stones to utter failure.
>
>

[Non-text portions of this message have been removed]

19280. Re: AW: [ham-antennas] swan/hornet TB3HA rebuild

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 22:42:42 UTC
From: Ken Burchfield
Topic: 19255 Message: 19280

Here is yet another bit of information:

Look way down in this doc. and cushcraft trap freqs are given.

Below is information I acquired from a refurbishment of my A3 about 10 years ago--it's still going strong 12/2006. 73,
Dale Martin
kg5u@...
http://www.hal-pc.org Martin Ellis <jmellis@...> wrote in article
<328BDA25.6275@...>...
> Subject: Re: How to test traps
> Date: Fri, 15 Nov 1996 11:20:57 +1300
> From: Martin Ellis <jmellis@...>
> To: KJ4WH <grpowell@...>
> CC: Ham-Ant@...
>
>
> > > From: KJ4WH <grpowell@...>
> > > How to test yagi traps for Cushcraft A4 ****************************
> > > Can anyone tell me how to test the trap to see if it is indeed bad?
> > > Or, ... do you have any other ideas on the cause?
> > > Gary Powell N4DL
>
Gary, The week prior to ARRL SS CW Contest, I refurbished an old
A3 tribander. While it is not an A4, it uses the same or similar
traps. I received a note from Cushcraft in response to a query I sent
them asking about the trap frequencies and a price list for
parts for the A3. I needed to replace an element segment, all the hose clamps
(they were not stainless), and all the trap end caps. I also had a high swr on 20m for the last few years. And recently,
10m swr went high. So I bought a new A3S and brought down the old
one. I marked all the element segments and traps (d1, d2, d3, etc...de1,
de2, de3, etc...r1, r2, r3, etc....) with a big felt-tip pen. I took all the element segments off the beam down to to the center
director, driven element and reflector element segments. To remove the old, rusted hose clamps, I simply twisted the screw
housings off with a pair of channel locks. It did no damage to the
element segments. I removed all the end caps from the traps. I cleaned/burnished all the element segment joints. I used an old B&W Model 600 Dip Oscillator to check resonance of all the traps. The 600 is a fine piece of equipment, but the
resolution of the dial for determing the real resonant frequency
is not that great. However, as long as the resonant frequency was
in the ballpark, I was happy. I used a couple of 2x4's to fix and maintain the position of the
traps as I checked them with the dip oscillator. Once I made a

couple of measurements, I put some masking tape down on the table
to mark the position of the 600. Essentially, it was simply a
matter of pointing the 600 coil end to end with the end of the
trap element segment away from the screw attachment end. As long
as the paired traps were in the same ballpark resonant frequency
range, I was happy. I found one trap that had no resonant point. I checked the
resistance of the trap (end trap element segment to end trap
element segment). Open. Next, I unscrewed the attachment screw. Using the procedure
described below, I removed the trap cover. The trap element
section consists of short piece of aluminum tubing, a length of
fiberglas insulator, and another piece of aluminum tubing. The
trap coil is wrapped on the insulator with the coil ends attached
to the respective tubing piece with a sheetmetal screw. Once the trap was free of the trap
cover, I scrapped away a bit
of the wire insulation of the coil and measured resistance between
it and each end of the trap element segment to see which end was
open. I removed the appropriate attachment screw, cleaned the
aluminum element segment at the screw hole, cleaned the trap wire
loop, reseated the screw, and checked the resistance. It was okay. Ultimately, I removed
all the covers of the traps to clean out any
insect infestation (found only one, but it wasn't bad at all)--I am
not sure how much stock to take in what I hear about insects
infesting antennas anymore. I have birds resting on my beam, wasps
flying around the tower all the time, and I only found a bit of an
infestation in one trap. Not bad! What I did find was that some of the trap spacers were
pretty eroded
by something. I am ordering some replacements to put in the next
time I work on the antenna. Once I received the parts I had ordered from Cushcraft, it was
a
snap putting the antenna back together. I set element lengths for
the CW portions of the bands. When it was raised to the 40' level
of my 70' tower and mounted on the side of the tower pointing NW,
I ran an SWR check and it was flat in the CW portion of the three
bands. Great! While lowering the antenna to the ground, we had let the reflector
end element segment stab the ground and bend. When I went to
remove it from the rest of the antenna, it broke away very easily.
I near the break, but not part of it, I found a 3/8" hole burned
in the the tubing. About four years ago, the house suffered what
I thought then was a near lightning strike. I had lost a bunch of
household equipment and ham equipment. I thought it was a near hit.
I lost 2 TNC's, a TR-7845, a 286 computer, a terminal used for
packetcluster work, garage door opener, a-c/heater controller,
television, and phone answering machine. Everything else (TS-930, rotator, wattmeter/SWR
meter--both of
which were connected to the antenna at the time of the strike--
stereo, VCR's, clock radios, kitchen appliances, washer/dryer,
etc.) was just fine. Lightning is strange stuff. ==========
Here's a message Cushcraft sent me about troubleshooting their antennas.
========== Adjusting the Antenna The suggested element lengths
will be correct for most

installations. The local environment may shift the point
of best VSWR. In this situation you may improve VSWR for
a specific frequency by making equal length adjustments on
each side of the center of the driven element. To adjust the highest frequency band adjust the tubing
length between the center of the element and the first
trap on the element. To adjust a center frequency band
adjust the spacing between the trap for that band and the
next higher frequency trap. To adjust the lowest frequency band adjust the length of
tubing beyond the lowest frequency trap. If you have a yagi adjust the driven element only. Leave
the reflector and director elements set to the suggested lengths. Troubles in the Antenna
If you fail to get a good VSWR on one band there are three
possible problems: One is that a trap is bad or mis-tuned.
Another is that nearby metal or other antennas have de-tuned
the antenna. The third is that a length of tubing section
has changed possibly due to loose clamps. First verify that all element lengths are correct and if you
have a yagi make sure that the element spacing is correct.
If the reflector and director spacings are swapped it will
have a serious effect on the impedance of the antenna.
Rotate the antenna and check VSWR at different azimuth
headings. Any variation in the VSWR is an indication that
nearby guy wires or other antennas are having an effect on
the tuning of the antenna. A trap is a high Q parallel resonant circuit. If the next
lower frequency does not work then a coil may be open. Do
not try to take a trap apart since this will void the
warranty. The balance between inductance and capacitance is
critical and requires special equipment to assure proper
adjustment. Refer to the trap troubleshooting section for
checking individual traps. VSWR changes with weather Ice or heavy snow tat sticks to the elements and traps will
cause the resonant frequency to shift lower since the
radiator will appear to be fatter. If you antenna is close
to the ground the effect of more conductive soil during wet
weather will shift the resonant frequency lower due to
capacitive loading. Any cracked or torn plastic caps will
allow moisture to ingress thus affecting the resonant
frequency of the traps. Putting any type of a sealant on the
butt end of the traps will likely de-tune them and create
voltage breakdown problems since the outer end of a trap is a
high voltage point. VSWR Changes with Power If VSWR varies with power level on one or more bands the
problem may be in the VSWR bridge (or harmonic content of
your PA). There can be a non-linear variation of diode action
at different power settings. This is common with inexpensive
bridges. It is possible to overload a diode in the forward
power mode. The diode is now on a different slope of the curve
in relation to the reflected power diode which is not overloaded.
The end result is that your VSWR will apparently increase when

you go from low to high power. Example: 1.1:1 at 50 watts,
1.4:1 at 800 watts. Observe VSWR as you slowly increase power.
If VSWR slowly increases you may be overloading your bridge.
If you see a large jump in VSWR at a specific power level, not
related to a slow increase in power, you have voltage breakdown troubles with your antenna
system. Causes: Poor or intermittent
connection in coax or connection in a trap. High voltage
breakdown in a trap can be detected by sniffing the end cap to
determine if it has burned. VSWR too high on one or more bands
Mistake in assembly or a defective trap. See trap troubleshooting.
Look for a trap in backwards. Look into tubing at each end of the
trap. The end where the self-tapping screw threads are visible is
the end that should be closest to the boom. Trap Troubleshooting The traps are a very
robust unit that should not require any
attention. Amateur power levels should not be capable of damaging
the coils or causing arcing under peak power conditions. Therefore
trap problems will usually be traced to mechanical faults that are
easily corrected. The first step you should take when you suspect a problem is to
locate the antenna so that you can work on it easily. For safety's
sake it is a good idea to have both your feet on the ground. (the
traps should be marked before removal so that proper reassembly is
assured). Check each trap to insure that the cover is tightly secured. The
cover is the 1-5/8" tubing between the two large black end caps.
Any movement of this cover will cause an intermittent VSWR
condition on the antenna. You may easily test for a loose cover
while the antenna is still assembled. Grasp the cover in one hand
and the trap tubing in the other hand, apply a moderate amount of
pressure first in a clockwise and then a counterclockwise direction
about the axis of the element. If the cover slips even a small
amount it will require tightening. Remove the black cap from the
trap on the side towards the boom of the antenna. A hex head screw
will then be visible underneath. Tighten the screw with an
appropriate screwdriver or nut driver. Be careful not to apply so
much force as to strip out the sheetmetal screw. If the hole is
already stripped, or gets stripped accidentally, it is an easy
matter to be fixed by substituting a #10 3/8" or 1/2" self-tapping
screw into the enlarged hole. If all your traps pass the mechanical test and seem to be
installed properly, then a frequency check is in order. (The
traps should be marked before removal so that proper reassembly
is assured.) Place a trap on an insulated surface (such as a large cardboard
box) and couple a dip oscillator to it as shown. Make sure to
couple it to the end of the trap that was closest to the boom,
the end of the trap that was self-tapping treads visible inside
the tubing. Insert the tip of the dip oscillator coil slightly
into the tubing. When a dip is found pull the oscillator coil
out of the end of the trap slightly and re-dip the oscillator.
Continue to pull the dip oscillator coil out of the tubing and
re-dip until you have the smallest perceptible dip. It should
be noted that the dip meter frequency is lower than the
operational frequency of the trap. This is caused because the

trap will load the dip oscillator and lower its frequency. TRAP Oper Dip Osc Freq. Freq. TA
28.60 27.50
TB 21.50 20.39
TC 21.30 20.20
TD 28.00 27.00
TE 28.80 27.60
TL 24.90 24.15
TM 18.11 17.29
TN 21.30 20.20
TK 14.18 12.62 You should use the listed oscillator frequencies as a guide.
Temperature and humidity can have a +/- 100KHz effect on traps.
If the readings are within 200KHz of the listed amounts, do not
worry, the effect upon the assembled antenna will be minimal.
Shorted turns or other serious defects will cause wide shifts
from the norm. One or two megahertz is a definite indication
of a defective trap. If you find such a trap, do not attempt
to repair it yourself as this would void the warranty. All
coils are sealed and are difficult to repair properly. When
all traps are checked and corrected, reinstall them in the
proper order and your antenna is now ready for action. ==========
Here's a note a friend forwarded to me on how to work on the traps.
==========
Subj.: A3S Biting Partial Dust
Date: 95-08=15 19:50:30 EDT
From: CARLO2@... (Brian McGinness)
Sender: owner-cq-contest@...
Reply-to: CARLO2@... (Brian McGinness)
To: To: CQ-CONTEST@... Hi Ward. I could not reply directly because you did not give
your email address at the end. Some of us out here are still
on ancient mainframe e-mail systems! Hi. Your traps can be both tested and repaired quite
easily. To
test them you need a functioning grid-dip-meter or an MFJ
antenna analyzer with their grid-dip antenna for it. I have found the best way to couple to
the trap using the MFJ
is to slide the stubby antenna inside the inner trap tube, and
hold the whole thing up in the air on the end of the analyzer
so other objects do not influence it. Then you will see a
SLIGHT dip in the SWR at the resonant freq of the trap. It is
a very slight, hardly noticeable dip depending on how well you
are coupled. I suspect the dip is easier to see using a real
grid-dip meter. I don't have the exact trap frequencies with me, but the inner
10 meter trap should dip around 27.5 (plus or minus a few
hundred kc, it is not critical) and the outer 15 meter trap
should have a dip around 20.3 or so, if I remember correctly. No doubt all your traps are
full of bug stuff. Actually, in
spite of what Cushcraft says, they are easy to open and repair.
To open them, remove the end caps. Then loosen the single
cover screw, and slide the center tube up inside the trap as
far as it will go (away from the screw end). Then stick the
HANDLE of a rubber mallet or hammer into the trap past where

the screw went, and tap the trap down against the hammer to
use the handle to drive the end insulator out of the side that
is not screwed in. That will generate enough force to slip the
insulator past the points in the cover that are center punched
to hold the trap together. Do no try to pry the insulators out,
it will not work, they have to be driven out with force. To
reassemble, tap the insulator back into the trap cover with a
rubber mallet. While inside the trap, check for corrosion at the screw terminals
and the trap inductor, and clean any debris and scorched areas. YOUR RESULTS MAY VARY!!!
Work carefully with them, and you can
fix them yourself, although it does take the proper touch. Good luck and 73,
Brian
WA3WJD
carlo2@...

[Non-text portions of this message have been removed]

19281. Re: Inverted V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-17 23:14:22 UTC
From: kd8dvy@ymail.com
Topic: 19198 Message: 19281

Well to answer some questions that was raised. I have a Doublet that is 133+' and 65-75' above ground. I know some of you will say that that is enough antenna for anyone. However the situation that I have is that I would like to have something a little more quieter. I am a die hard believer that wire antennas is what the Ham Gods want us to use at all times (my opinion).

WY6L I thought about a loop but when I measured my yard I was not able to come up with a pattern that will give me the 529' so that I can work 80-10. The Inverted "V" that I will put up will be cut for 80m and since I am feeding it with 400 ohm ladder line and a balun that should make it all bands.

AB2ZY thank you for reminding me of that design. I had a senior moment there (HI HI).

For those that just read and wonder why I such a question well the issue is that I only have one feed point and that is my center support that I made out of plexi-glass. I designed it for a "V" or dipole so I could have either or. Now I want both.

Harold/KD8DVY

--- In ham-antennas@yahoogroups.com, "AB2ZY" <akozak@...> wrote:
>
> How long is your doublet?
>
> What you are suggesting is not really different than a "fan dipole". As long as the non active elements present a high impedance on the operating frequency, there will be minimal interaction.
>
> Al
> AB2ZY
>
>

19282. Re: [ham-antennas] Re: Inverted V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 00:48:18 UTC
From: Mike
Topic: 19198 Message: 19282

Hi Harold,

Have you considered the linear loaded inverted V ? It will give you 160 through 10 meters and is very quiet.

73 de k1eg
Mike

----- Original Message -----
From: kd8dvy@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 6:14 PM
Subject: [ham-antennas] Re: Inverted V

Well to answer some questions that was raised. I have a Doublet that is 133+' and 65-75' above ground. I know some of you will say that that is enough antenna for anyone. However the situation that I have is that I would like to have something a little more quieter. I am a die hard believer that wire antennas is what the Ham Gods want us to use at all times (my opinion).

WY6L I thought about a loop but when I measured my yard I was not able to come up with a pattern that will give me the 529' so that I can work 80-10. The Inverted "V" that I will put up will be cut for 80m and since I am feeding it with 400 ohm ladder line and a balun that should make it all bands.

AB2ZY thank you for reminding me of that design. I had a senior moment there (HI HI).

For those that just read and wonder why I such a question well the issue is that I only have one feed point and that is my center support that I made out of plexi-glass. I designed it for a "V" or dipole so I could have either or. Now I want both.

Harold/KD8DVY

--- In ham-antennas@yahoogroups.com, "AB2ZY" <akozak@...> wrote:
>
> How long is your doublet?
>
> What you are suggesting is not really different than a "fan dipole". As long as the non active elements present a high impedance on the operating frequency, there will be minimal interaction.
>
> Al
> AB2ZY
>
>

[Non-text portions of this message have been removed]

19283. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 02:50:48 UTC
From: Tom Horton
Topic: 19273 Message: 19283

Mike,
 There you go! You can start a cottage industry by advertising to clean antenna copper and aluminum.
 Sorry, but after 55 years as a ham, I have never ever heard of this. Coax, connections, etc sure, but wire and aluminum? Hmmmmm...
 I am just not sure that conductivity changes with age.
 Tom K5IID

--- On Wed, 8/17/11, Michael Lodico <k1eg@matrix-computers.com> wrote:

From: Michael Lodico <k1eg@...>
Subject: Re: [ham-antennas] Antenna aging
To: ham-antennas@yahoogroups.com
Date: Wednesday, August 17, 2011, 5:41 PM

Hi Ron,

I do know from experience working DX in the last declining solar cycle
that after a year of my G5RV being up I could hear a difference in
received signals. I cleaned the copper and put it back up and there was
a noticeable difference in received signals.

73,
Mike

On 8/17/2011 4:01 PM, Ron Youvan wrote:
>
> Mike K1EG wrote:
>
> > I am working on a project for presentation at our annual ARES
> convention here in Kentucky and need
> > some help finding information. As we all know antennas exposed to
> the weather derogate over time
> > whether they are made from copper or aluminum. Many HAM's do not
> really think about this as part of
> > their maintenance they should be doing.
> > What I am looking for is any information or studies that measured or
> shows how much antenna
> > efficiency decreases over time from exposure to the weather. I have
> done extensive research online
> > and in my engineering books and cannot find anything
>
> I don't see the efficiency of the wire or porcelain or glass
> insulators changing, but my ~25 year
> old 40 meter dipole made from 12 AWG copperweld almost rusted through
> completely in several places.

> Anything plastic will change, mostly deteriorating from the elements
> and time. (and stretching)
> The least noticeable thing effecting operation is the extremely slow
> deterioration of the
> polyethylene which is the center conductor insulation in the coax or
> on the windowing line.
> Any physical hard bend of any coax and flexing from winds will result
> in physical crushing or other
> damage to the center conductor insulation and possibly slow breaking
> of the inner conductor.
> (strands if stranded) Frequently before 20 years has elapsed.
>
> Coax commonly used by HAMs is covered with a vinyl jacket that was
> intended to be used indoors, coax
> designed for exterior use is covered with polyethylene, the
> deterioration of the vinyl is effected
> by the weather at the site, being mostly damaged by the rays of the
> sun. (also by the effects of
> water and bacterial infections) Once the jacket of penetrated the
> water will corrode the shield
> increasing losses quite a bit.
> --
> Ron KA4INM - Mistakes are often the stepping stones to utter failure.
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19284. AW: [ham-antennas] Re: Inverted V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 07:28:29 UTC
From: Siegfried Jackstien
Topic: 19198 Message: 19284

Hi Harold
Make a loop for 80 with a switch opposite of the feedingpoint
Now you can open the loop for 160 and use it as "bent" dipole ...
A friend from me had the same problem
He turned his antenna around ... I will try to explain what I mean:
He had the feedingpoint at the house and the other side was in the backyard
... as ladderline has low loss it is no problem to have a longer run of it
Now the feedingpoint is on a wooden pole (or tree) in the garden and the
loop´s other side is going close to his house ...
And that other side he routed to a window-frame where he can easy reach it
Now the loop can be closed or opened easy by hand
(exactly he has a short ladderline piece to the frame and 2 banana-plugs
g)
But sure similar could be dome remote with a vacuum relay
the thing is: closing or opening of that bridge not only effects working on
80 or 160 ... it also changes patterns on the higher bands ... so sometimes
on 15 or 20 a signal is better when loop closed or when loop open
you have to make a chart for the tuning in both cases for faster setting
...
But most of the time you will let the bridge closed as the antenna is more
quiet when it is in loop configuration ...
It is no problem if the loop is not a delta or square ... major part is MUCH
WIRE AND HIGH UP ...
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von kd8dvy@...
> Gesendet: Mittwoch, 17. August 2011 23:14
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Inverted V
>
>
>
> Well to answer some questions that was raised. I have a Doublet that is
> 133+' and 65-75' above ground. I know some of you will say that that is
> enough antenna for anyone. However the situation that I have is that I
> would like to have something a little more quieter. I am a die hard
> believer that wire antennas is what the Ham Gods want us to use at all
> times (my opinion).
>
> WY6L I thought about a loop but when I measured my yard I was not able to
> come up with a pattern that will give me the 529' so that I can work 80-

> 10. The Inverted "V" that I will put up will be cut for 80m and since I am
> feeding it with 400 ohm ladder line and a balun that should make it all
> bands.
>
> AB2ZY thank you for reminding me of that design. I had a senior moment
> there (HI HI).
>
> For those that just read and wonder why I such a question well the issue
> is that I only have one feed point and that is my center support that I
> made out of plexi-glass. I designed it for a "V" or dipole so I could have
> either or. Now I want both.
>
> Harold/KD8DVY
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "AB2ZY" <akozak@...> wrote:
> >
> > How long is your doublet?
> >
> > What you are suggesting is not really different than a "fan dipole". As
> long as the non active elements present a high impedance on the operating
> frequency, there will be minimal interaction.
> >
> > Al
> > AB2ZY
> >
> >
>
>
>
>

19285. Re: [ham-antennas] Yaesu FT-920 + goodies for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 10:31:36 UTC
From: Dan Schaaf
Topic: 19260 Message: 19285

Hi Dale

I am getting several inquiries on teh FT-920. You were the first to reply to my sale. So, you have first refusal.
If you are interested, please let me know.
If you are NOT interested, also please let me know so that I can proceed with discussions with the other inquiries.
Yes, I know that you are 27 miles south of me and we can reduce the price for local pickup. You are certainly welcome to have a look at it and put it on the air here in my shack to confirm it's operation.
But PLEASE let me know one way or the other so that I do not keep these other inquiries hanging and waiting.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: yash@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 10:16 AM
Subject: Re: [ham-antennas] Yaesu FT-920 + goodies for sale

Hi Dan
I just sold my Drake C-line today,waiting for the pmo to arrive. I saw your ad for the 920,one of my favorite rigs,had one for several years before I got into the boat anchors...anyway Iam in Cape Coral and would pick up the 920 if I bought it.I can assume its never been around smoke? Do you still have the shipping boxs?
thanks
dale wt4t

-----Original Message-----
From: oceanbiz01 <dan-schaaf@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Wed, Aug 17, 2011 10:00 am
Subject: [ham-antennas] Yaesu FT-920 + goodies for sale

Good Day to All.

While it pains me to do so, I am downsizing my shack and the FT-920 is part of the downsizing.
This 920 is in immaculate physical condition. I sent it to Yaesu to have the ATU repaired and Yaesu did the repair and in their repair report they mentioned that the FT-920 meets

all Yaesu Specs. They went through a complete alignment apparently, following ATU repair. I have the documents from Yaesu to prove it.

Included:
FT-920
MARS/CAP 60 Meter Mod installed
Installed CW Filter, SSB Filter, AM Filter, FM Board and TCXO.
Original MH-31B8 Hand Mic still in it's box
Original Oscillator in separate box that was replaced with the TCXO
Spare red and green buttons for the RX and TX buttons. (I replaced one but had bought spares) .
Original Manual and DC power cord
As a bonus:
Donner Digital Systems interface for RTTY, PSK, SSTV etc. New unused and has the correct Mini DIN plug for FT-897D and FT-817ND. But also included in the correct large DIN plug for the DATA jack on the 920. Also included is a mating female connector for the MINI-DIN so that an adapter cable can be made to go from the Donner connector to the FT-920 .
All documentation will be included.

I worked a heck of a lot of DX with this radio from 160 through 6 meters. I just now turned it on and connected it to my vertical antenna just to make sure that it is humming right along and it sounds great. Transmits just as good.

Asking $950 free UPS Ground shipping to anywhere in the lower 48 states. Any place outside of the lower 48 will cost extra. I will like payment by Paypal . Paypal is preferred sent as a gift to avoid my being charged the Paypal 3% fee.

Also for sale:
TE Systems 0510G 6 meter brick amplifier with DC power Cord and manual $350.00 + shipping cost

MFJ-989C Versa Tuner 3 KW Roller Inductor type with manual. $250 + shipping cost

MFJ-1279 Digital Interface $50 + shipping

MFJ-1263 Microphone Switch $50 + shipping

Interested parties should email me directly at dan-schaaf@...

Thanks for your consideration

Dan K3ZXL

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19286. Re: [ham-antennas] Can rfi damage components?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 14:18:44 UTC
From: James Irving
Topic: 19266 Message: 19286

From: Andy <ai.egrps@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 12:00 PM
Subject: Re: [ham-antennas] Can rfi damage components?

> Besides being annoying, can rfi damage the components that it's interfering with?

Given the right circumstances, I'd say yes. Hypothetically.

For the RF itself to directly damage components, the amount of it
needs to be significant with respect to the voltage tolerance of the
device. For example, modern computer chips can't tolerate more than a
couple of volts across their terminals, and if the circuit it is part
of was designed with no RF immunity in mind (and sloppy electrical
characteristics in general ... not likely these days if one wants to
make a working computer, but you never know), then the RF *might*
induce enough voltage across parts of the chip to zap it.

Some components are more delicate than others. Some MOSFETs are very
hi-Z devices and are more easily damaged by static and stray voltages.

How much voltage you get depends on how close it is to the offending
RF field and how much power is involved.

RFI could cause damage in other ways.

RFI into an audio system makes annoying, loud noises. With a powerful
enough audio amp, it might blow out a speaker, or some transistors if
not protected.

RFI into a computer might make it malfunction and erase data on the
drive. But when computers crash or freeze, they don't usually take
the drive down with them.

I suppose RFI into a susceptible thermostat might cause it to overheat
your home.

I am not aware of cases where RFI damaged something. I am just saying
that there is that potential.

Andy

[Non-text portions of this message have been removed]

19287. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 14:34:43 UTC
From: James Irving
Topic: 19273 Message: 19287

Hi Mike...

I don't think signal degradation for amateur radio antennas is a big problem for either aluminum or copper antennas; the feed line, ground, and the various connections are different matters, however. Another "problem" will be the lack of quality information as to either reception or transmitted signaldegradation; most will probably be anecdotal and empirical.

Might check with the commercial broadcasters; FCC might have them do periodical checks.

73, Jim, K9JFK

From: k1eg <k1eg@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 3:36 PM
Subject: [ham-antennas] Antenna aging

Hi everyone,

I am working on a project for presentation at our annual ARES convention here in Kentucky and need some help finding information. As we all know antennas exposed to the weather derogate over time whether they are made from copper or aluminum. Many HAM's do not really think about this as part of their maintenance they should be doing.
What I am looking for is any information or studies that measured or shows how much antenna efficiency decreases over time from exposure to the weather. I have done extensive research online and in my engineering books and cannot find anything

73 de k1eg
Mike

[Non-text portions of this message have been removed]

19288. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 14:43:33 UTC
From: James Irving
Topic: 19273 Message: 19288

Ok... one other thought.

Worst environment I can think of for any HF antenna would be on a ship out at sea. Find a navy radioman and ask what the "manual" has to say on the subject.

k9jfk

From: Michael Lodico <k1eg@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 5:36 PM
Subject: Re: [ham-antennas] Antenna aging

Hi Dean,

If I remember correctly back in the previous solar cycle as it was declining I believe there were studies showing this info to promote cleaning your antennas to improve your chance to work some rare DX. I have a gut feeling that the info was probably on AOL or Geocities websites which are long gone now. I found that after 1 year exposure to the weather cleaning my G5RV sure did help me pick out some rare DX. I suspect that DX'ers more so than rag chewers notice when their antennas start to decline. What got me going was Wireman advertising the "Silky" wire as having no more loss than a bare copper antenna exposed for 1 year to the elements.

73,
Mike

On 8/17/2011 3:50 PM, Dean Moore wrote:
> Mike,
>
> Here is an article that deals with coax cable degradation with weather
> conditions but can't find anything specific about antennas. I agree
> there should be something on the subject....and maybe some good ham out
> there will do a study and write an article that covers this!
>
> http://www.radio-electronics.com/info/antennas/coax/coax-environmental.php
>
> 73, Dean
> CD5846 Ex-ZP6XD
>
>
> k1eg wrote:
>>
>>
>> Hi everyone,

>>
>> I am working on a project for presentation at our annual ARES convention
>> here in Kentucky and need some help finding information. As we all know
>> antennas exposed to the weather derogate over time whether they are made
>> from copper or aluminum. Many HAM's do not really think about this as
>> part of their maintenance they should be doing.
>> What I am looking for is any information or studies that measured or
>> shows how much antenna efficiency decreases over time from exposure to
>> the weather. I have done extensive research online and in my engineering
>> books and cannot find anything
>>
>> 73 de k1eg
>> Mike
>>
>>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

19289. Tokyo Hy-Power HL-45B Amp for FT-817

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 15:26:13 UTC
From: Jim Whitaker
Topic: 19289 Message: 19289

This isnt my amplifier (I just purchased the same unit though) but I have an Ebay alert for it still. Thought I'de share.

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=200642687145&ssPageName=ADME:B:SS:US:1123

DE Jim N8XYN

19290. 102" SS whip for ham radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 18:30:03 UTC
From: rattler778
Topic: 19290 Message: 19290

Would it be practical to put in a 102" SS whip on my vehicle with a tuner. Ham sticks are nice but it would be nice to just put it on any band and tune with my LDG AT-200Pro autotuner. Not sure if its practical or not.

73, WY6L

19291. Re: [ham-antennas] 102" SS whip for ham radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 18:51:05 UTC
From: Stan Labinsky Jr.
Topic: 19290 Message: 19291

Rattler, yours is not a new question. There are probably a ton of old threads discussing it.

The main reason that it is not the best option, except if you're planning to run through low, thick, bushes, Jeep style, is that as the whip becomes less and less of a wavelength, actually quarterwave length, its radiation resistance drops... drastically! Leaving only the actual resistance, copper and ground losses, to take over, turning most of your RF into heat. The same line of reasoning applies to how effective shortened, or very few, radials are under a vertical antenna.

As the antenna becomes a very small part of a wavelength, the main current is reactive - capacitive. Circulating current which doesn't radiate, only warming up the matching network and connecting leads.

I'm not sure, but I seem to remember typical efficiencies in the order of a percent or two are to be expected of a naked steel whip at eighty meters.

I'd love to use one myself, if it'd work.

Stan

----- Original Message -----
From: rattler778
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 18, 2011 2:30 PM
Subject: [ham-antennas] 102" SS whip for ham radio

Would it be practical to put in a 102" SS whip on my vehicle with a tuner. Ham sticks are nice but it would be nice to just put it on any band and tune with my LDG AT-200Pro autotuner. Not sure if its practical or not.

73, WY6L

[Non-text portions of this message have been removed]

19292. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 19:25:46 UTC
From: Mike
Topic: 19273 Message: 19292

Hi James,

Thank you for that answer. That is an excellant idea. I have contacted Press Jones, N8UG of Wireman and he indicates that the velocity factor of the wire changes with oxidation but I believe there is more to it than that alone.

73 de k1eg
Mike

----- Original Message -----
From: James Irving
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 18, 2011 9:43 AM
Subject: Re: [ham-antennas] Antenna aging

Ok... one other thought.

Worst environment I can think of for any HF antenna would be on a ship out at sea. Find a navy radioman and ask what the "manual" has to say on the subject.

k9jfk

From: Michael Lodico <k1eg@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 17, 2011 5:36 PM
Subject: Re: [ham-antennas] Antenna aging

Hi Dean,

If I remember correctly back in the previous solar cycle as it was declining I believe there were studies showing this info to promote cleaning your antennas to improve your chance to work some rare DX. I have a gut feeling that the info was probably on AOL or Geocities websites which are long gone now. I found that after 1 year exposure to the weather cleaning my G5RV sure did help me pick out some rare DX. I suspect that DX'ers more so than rag chewers notice when their antennas start to decline. What got me going was Wireman advertising the "Silky" wire as having no more loss than a bare copper antenna exposed for 1 year to the elements.

73,
Mike

On 8/17/2011 3:50 PM, Dean Moore wrote:
> Mike,
>
> Here is an article that deals with coax cable degradation with weather

> conditions but can't find anything specific about antennas. I agree
> there should be something on the subject....and maybe some good ham out
> there will do a study and write an article that covers this!
>
> http://www.radio-electronics.com/info/antennas/coax/coax-environmental.php
>
> 73, Dean
> CD5846 Ex-ZP6XD
>
>
> k1eg wrote:
>>
>>
>> Hi everyone,
>>
>> I am working on a project for presentation at our annual ARES convention
>> here in Kentucky and need some help finding information. As we all know
>> antennas exposed to the weather derogate over time whether they are made
>> from copper or aluminum. Many HAM's do not really think about this as
>> part of their maintenance they should be doing.
>> What I am looking for is any information or studies that measured or
>> shows how much antenna efficiency decreases over time from exposure to
>> the weather. I have done extensive research online and in my engineering
>> books and cannot find anything
>>
>> 73 de k1eg
>> Mike
>>
>>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for

suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19293. Re: [ham-antennas] 102" SS whip for ham radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 19:35:56 UTC
From: dean
Topic: 19290 Message: 19293

Thanks so I'll dump that idea. I'm living on a Champagne appetite and a beer budget so I can't afford the screwdriver antenna so for now its just hamsticks but the 75 meter hamstick only has 40 to 60 Khz to play with. I can tune it around 3.790 and then I'll have a few Khz each way.

73, WY6L

From: Stan Labinsky Jr.
Sent: Thursday, August 18, 2011 11:51 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 102" SS whip for ham radio

Rattler, yours is not a new question. There are probably a ton of old threads discussing it.

The main reason that it is not the best option, except if you're planning to run through low, thick, bushes, Jeep style, is that as the whip becomes less and less of a wavelength, actually quarterwave length, its radiation resistance drops... drastically! Leaving only the actual resistance, copper and ground losses, to take over, turning most of your RF into heat. The same line of reasoning applies to how effective shortened, or very few, radials are under a vertical antenna.

As the antenna becomes a very small part of a wavelength, the main current is reactive - capacitive. Circulating current which doesn't radiate, only warming up the matching network and connecting leads.

I'm not sure, but I seem to remember typical efficiencies in the order of a percent or two are to be expected of a naked steel whip at eighty meters.

I'd love to use one myself, if it'd work.

Stan

----- Original Message -----
From: rattler778
To: mailto:ham-antennas%40yahoogroups.com
Sent: Thursday, August 18, 2011 2:30 PM
Subject: [ham-antennas] 102" SS whip for ham radio

Would it be practical to put in a 102" SS whip on my vehicle with a tuner. Ham sticks are nice but it would be nice to just put it on any band and tune with my LDG AT-200Pro autotuner. Not sure if its practical or not.

73, WY6L

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19294. Re: [ham-antennas] 102" SS whip for ham radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 19:47:45 UTC
From: dean
Topic: 19290 Message: 19294

Ok one more new question. Does any one have experience with the The Chameleon V2 HF Multiband Antenna. I have my tuner and the antenna is a lot cheaper than a screwdriver. I see on eham it has a 5/5 rating.

73, WY6L

From: Stan Labinsky Jr.
Sent: Thursday, August 18, 2011 11:51 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 102" SS whip for ham radio

Rattler, yours is not a new question. There are probably a ton of old threads discussing it.

The main reason that it is not the best option, except if you're planning to run through low, thick, bushes, Jeep style, is that as the whip becomes less and less of a wavelength, actually quarterwave length, its radiation resistance drops... drastically! Leaving only the actual resistance, copper and ground losses, to take over, turning most of your RF into heat. The same line of reasoning applies to how effective shortened, or very few, radials are under a vertical antenna.

As the antenna becomes a very small part of a wavelength, the main current is reactive - capacitive. Circulating current which doesn't radiate, only warming up the matching network and connecting leads.

I'm not sure, but I seem to remember typical efficiencies in the order of a percent or two are to be expected of a naked steel whip at eighty meters.

I'd love to use one myself, if it'd work.

Stan

----- Original Message -----
From: rattler778
To: mailto:ham-antennas%40yahoogroups.com
Sent: Thursday, August 18, 2011 2:30 PM
Subject: [ham-antennas] 102" SS whip for ham radio

Would it be practical to put in a 102" SS whip on my vehicle with a tuner. Ham sticks are nice but it would be nice to just put it on any band and tune with my LDG AT-200Pro autotuner. Not sure if its practical or not.

73, WY6L

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19295. ot advice

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 20:58:44 UTC
From: jo barden
Topic: 19295 Message: 19295

Hi all

I am trying to get into PIC circuits and I wondered if anybody had any advice as to circuits/programmers best suited to beginner on limited funds. I have looked on ebay and have downloaded a couple of books but advice is welcome. I do not plan to go into production or anything but I want to try and dip my toes into this as lots of things seem to be going this way. PIC a star/ PIC a tune etc.

cheers

Jon

G6UWK

[Non-text portions of this message have been removed]

19296. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 22:49:25 UTC
From: Andy
Topic: 19273 Message: 19296

> ... the velocity factor of the wire changes with oxidation but I believe
> there is more to it than that alone.

Also there is skin effect. The higher you go in frequency, the more the current tends to confine itself to a narrow layer (skin depth) on the surface of the wires or elements. As the surface oxidizes, its AC resistance goes up. DC/low frequency resistance stays about the same.

Andy

19297. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 23:13:54 UTC
From: Dennis Mingear
Topic: 19273 Message: 19297

"As the surface oxidizes, its AC resistance goes up. DC/low frequency resistance stays about the same."

Andy

In the oxidized area, but wouldn't the rf current just move down a few microns into the wire and flow through fresh copper avoiding the old
"oxidized surface" altogether?

Denny ... AI6R

[Non-text portions of this message have been removed]

19298. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 23:31:11 UTC
From: Mike
Topic: 19273 Message: 19298

Hi Andy,

You are dead on about the AC resistance going up and the received signals will be attenuated because of it. This is why I am looking for studies that may have been done. If I cannot find any then I will have to consider doing a year long test to see what the numbers may be.

73 de k1eg
Mike
----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 18, 2011 5:49 PM
Subject: Re: [ham-antennas] Antenna aging

> ... the velocity factor of the wire changes with oxidation but I believe
> there is more to it than that alone.

Also there is skin effect. The higher you go in frequency, the more the current tends to confine itself to a narrow layer (skin depth) on the surface of the wires or elements. As the surface oxidizes, its AC resistance goes up. DC/low frequency resistance stays about the same.

Andy

[Non-text portions of this message have been removed]

19299. RE: [ham-antennas] 102" SS whip for ham radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-18 23:54:42 UTC
From: goldtr8@charter.net
Topic: 19290 Message: 19299

I did this for awhile with my jeep and also used hamsticks.

With the whip it will work good on 10m, you will be able to tune it as low as 20m. But as others stated you will be inefficient as you get further away from a true 1/4 wave.

I ultimately gave up and got a Scorption Screwdriver as I wanted to be heard.

Below 40m the hamsticks were not very effective due to the small coils sizes.

Good luck and have fun.

~73
Don
KD8NNU

On Thu, Aug 18, 2011 at 2:30 PM, rattler778 wrote:

Would it be practical to put in a 102" SS whip on my vehicle with a tuner. Ham sticks are nice but it would be nice to just put it on any band and tune with my LDG AT-200Pro autotuner. Not sure if its practical or not.

73, WY6L

<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

19300. Re: 102" SS whip for ham radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 00:38:32 UTC
From: VE3FMC
Topic: 19290 Message: 19300

Tune the 75 neter Hamstick to the area of the band you will use the most. Then use the tuner to keep the radio happy if you go up or down the band.

Now the Hamstick is not the most efficient 75 meter mobile antenna. But I had one that I used with the big 3 magnet mount on top of my pickup truck roof. It worked ok for what I wanted it to do, I was not looking to work DX or the west coast on it.

My later Father made a mobile antenna up for his van. It consisted of about 6 feet of aluminum tubing with a 102 inch stainless steel whip attached to that. He ran an Icom AH2 tuner right close to the feed point of the antenna. He did ok on 40 and up while mobile. Not sure how well it worked on 75 though.
--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> Thanks so Iâ□□ll dump that idea. Iâ□□m living on a Champagne appetite and a beer budget so I canâ□□t afford the screwdriver antenna so for now its just hamsticks but the 75 meter hamstick only has 40 to 60 Khz to play with. I can tune it around 3.790 and then Iâ□□ll have a few Khz each way.
>
> 73, WY6L
>
>
>
>
> From: Stan Labinsky Jr.
> Sent: Thursday, August 18, 2011 11:51 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] 102" SS whip for ham radio
>
>
> Rattler, yours is not a new question. There are probably a ton of old threads discussing it.
>
> The main reason that it is not the best option, except if you're planning to run through low, thick, bushes, Jeep style, is that as the whip becomes less and less of a wavelength, actually quarterwave length, its radiation resistance drops... drastically! Leaving only the actual resistance, copper and ground losses, to take over, turning most of your RF into heat. The same line of reasoning applies to how effective shortened, or very few, radials are under a vertical antenna.
>
> As the antenna becomes a very small part of a wavelength, the main current is reactive - capacitive. Circulating current which doesn't radiate, only warming up the matching network and connecting leads.
>
> I'm not sure, but I seem to remember typical efficiencies in the order of a percent or two are to be expected of a naked steel whip at eighty meters.
>
> I'd love to use one myself, if it'd work.
>
> Stan
>
> ----- Original Message -----

> From: rattler778
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Thursday, August 18, 2011 2:30 PM
> Subject: [ham-antennas] 102" SS whip for ham radio
>
> Would it be practical to put in a 102" SS whip on my vehicle with a tuner. Ham sticks are nice but it would be nice to just put it on any band and tune with my LDG AT-200Pro autotuner. Not sure if its practical or not.
>
> 73, WY6L
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19301. Re: ot advice

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 01:10:33 UTC
From: kk4ej
Topic: 19295 Message: 19301

Hi Jon:

I played with the microchip PICS for a while, learning as I went. I used the MPLab which worked well and a kit programmer.

My goal was for a model railroad project as well as some ideas for HAM use. There is a learning curve, assembly language was new to me. Start small, do simple projects first. Good old LED blinker is normally the first program to learn with.

Overall, once you get the chip setup the rest is just logic.

They are incredible at what can be done with them for a few dollars!

Randy
KK4EJ

19302. Re: ot advice

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 01:59:29 UTC
From: AB2ZY
Topic: 19295 Message: 19302

The PICKIT 2 @ about $35 USD is, IMO, a much better option than purchasing a demo board that may only be capable of programming one series of PIC devices. At best, it's maybe a few bucks more than one of the Velleman demo kits.

I prototype my projects with one of those ubiquitous breadboards you can buy at any hamfest and a 5V wall wart PS that came out of the junk drawer. The PICKIT 2 and like devices can provide power if you need it and are capable of facilitating in circuit debugging, which you will want once you get much beyond turning an LED on and off.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Hi all
>
> I am trying to get into PIC circuits and I wondered if anybody had any advice as to circuits/programmers best suited to beginner on limited funds. I have looked on ebay and have downloaded a couple of books but advice is welcome. I do not plan to go into production or anything but I want to try and dip my toes into this as lots of things seem to be going this way. PIC a star/ PIC a tune etc.
>
> cheers
>
> Jon
>
> G6UWK
>
>
> [Non-text portions of this message have been removed]
>

19303. RE: [ham-antennas] Re: ot advice

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 02:44:31 UTC
From: MIKE DURKIN
Topic: 19295 Message: 19303

Funny that you mention that ... I have a couple of pic32 demoboards for sale ... just a dollar under any chinese auction right now and going for almost a month with no takers.

To: ham-antennas@yahoogroups.com
From: akozak@hourglass.com
Date: Fri, 19 Aug 2011 01:59:29 +0000
Subject: [ham-antennas] Re: ot advice

The PICKIT 2 @ about $35 USD is, IMO, a much better option than purchasing a demo board that may only be capable of programming one series of PIC devices. At best, it's maybe a few bucks more than one of the Velleman demo kits.

I prototype my projects with one of those ubiquitous breadboards you can buy at any hamfest and a 5V wall wart PS that came out of the junk drawer. The PICKIT 2 and like devices can provide power if you need it and are capable of facilitating in circuit debugging, which you will want once you get much beyond turning an LED on and off.

Al

AB2ZY

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:

>

>

> Hi all

>

> I am trying to get into PIC circuits and I wondered if anybody had any advice as to circuits/programmers best suited to beginner on limited funds. I have looked on ebay and have downloaded a couple of books but advice is welcome. I do not plan to go into production or anything but I want to try and dip my toes into this as lots of things seem to be going this way. PIC a star/ PIC a tune etc.

>

> cheers

>

> Jon

>

> G6UWK

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

19304. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 03:44:35 UTC
From: Andy
Topic: 19273 Message: 19304

> In the oxidized area, but wouldn't the rf current just move down a few
> microns into the wire and flow through fresh copper avoiding the old
> "oxidized surface" altogether?

It isn't as easy as that. If the oxidized layer was a nice thin layer of insulator, surrounding unaffected metal, then it would do as you say; but it builds up as a higher resistive material, which supports part of the current (depending on the skin depth w.r.t. the thickness of oxidizing material). Yes the higher resistance pushes some of the current down lower into the wire, but it can't avoid flowing through the crappy part near the surface.

It may be a complicated function of frequency, metal, oxidation, year into the solar cycle, etc. So I don't know how much the effect actually measures at typical ham frequencies.

Andy

19305. Chameleon V2 HF Multiband Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 05:23:39 UTC
From: rattler778
Topic: 19305 Message: 19305

Does anyone have any experience with this antenna. It'll be a long long time before I can afford a screwdriver antenna and if this works like it claims then it'll fit the bill perfectly.

73, WY6L

19306. RE: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 07:12:16 UTC
From: jo barden
Topic: 19273 Message: 19306

I do not know where I heard it but I remember way back being told either enamelled copper wire or tinned copper wire for wire antennas, probably old wife's tale but I have gone the enamelled route, oh and another no no is that I have not used hard drawn wire so the tuner has to cover a bit of stretch but hey it works and that is the main thing.

Jon
G6UWK

To: ham-antennas@yahoogroups.com
From: k1eg@...
Date: Thu, 18 Aug 2011 18:31:11 -0500
Subject: Re: [ham-antennas] Antenna aging

Hi Andy,

You are dead on about the AC resistance going up and the received signals will be attenuated because of it. This is why I am looking for studies that may have been done. If I cannot find any then I will have to consider doing a year long test to see what the numbers may be.

73 de k1eg

Mike

----- Original Message -----

From: Andy

To: ham-antennas@yahoogroups.com

Sent: Thursday, August 18, 2011 5:49 PM

Subject: Re: [ham-antennas] Antenna aging

> ... the velocity factor of the wire changes with oxidation but I believe

> there is more to it than that alone.

Also there is skin effect. The higher you go in frequency, the more

the current tends to confine itself to a narrow layer (skin depth) on

the surface of the wires or elements. As the surface oxidizes, its AC

resistance goes up. DC/low frequency resistance stays about the same.

Andy

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19307. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 13:13:16 UTC
From: Dennis Mingear
Topic: 19273 Message: 19307

And it may not be all that complicated either. I would be interested in reading any reports on the issue. Also, I would be quite surprised if anyone has measured any differences in received signal strength between fresh and oxidized wire,

Any studies would have to be done in a lab as there are far to many variables in a typical ham station to make any meaningful measurements attempting to correlate signal strength versus oxidation on the antenna wire.

Denny ... AI6R

From: Andy <ai.egrps@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 18, 2011 8:44 PM
Subject: Re: [ham-antennas] Antenna aging

> In the oxidized area, but wouldn't the rf current just move down a few
> microns into the wire and flow through fresh copper avoiding the old
> "oxidized surface" altogether?

It isn't as easy as that. If the oxidized layer was a nice thin layer of insulator, surrounding unaffected metal, then it would do as you say; but it builds up as a higher resistive material, which supports part of the current (depending on the skin depth w.r.t. the thickness of oxidizing material). Yes the higher resistance pushes some of the current down lower into the wire, but it can't avoid flowing through the crappy part near the surface.

It may be a complicated function of frequency, metal, oxidation, year into the solar cycle, etc. So I don't know how much the effect actually measures at typical ham frequencies.

Andy

[Non-text portions of this message have been removed]

19308. Re: [ham-antennas] 102" SS whip for ham radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 13:21:48 UTC
From: Ron Youvan
Topic: 19290 Message: 19308

Dean WY6L wrote:

> OK one more new question. Does any one have experience with the The Chameleon V2 HF Multiband
> Antenna. I have my tuner and the antenna is a lot cheaper than a screwdriver. I see on eham it has a
> 5/5 rating.

I read it as a mobile antenna. I would guess an antenna designed for fixed operation would out
perform an antenna designed for mobile operation.
http://chameleonantenna.com/ChameleonV2/ChameleonV2.html
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19309. Re: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 14:54:43 UTC
From: Ron Youvan
Topic: 19273 Message: 19309

Andy wrote:

> > In the oxidized area, but wouldn't the rf current just move down a few
> > microns into the wire and flow through fresh copper avoiding the old
> > "oxidized surface" altogether?

> It isn't as easy as that. If the oxidized layer was a nice thin layer
> of insulator, surrounding unaffected metal, then it would do as you
> say; but it builds up as a higher resistive material, which supports
> part of the current (depending on the skin depth w.r.t. the thickness
> of oxidizing material). Yes the higher resistance pushes some of the
> current down lower into the wire, but it can't avoid flowing through
> the crappy part near the surface.

> It may be a complicated function of frequency, metal, oxidation, year
> into the solar cycle, etc. So I don't know how much the effect
> actually measures at typical ham frequencies.

That seems to indicate an antenna made with stainless steel wire may be better than one made of
copper, it would never develop that problem. I think 29 MHz is a bit low to be so severely effected
by the skin effect.
If a layer of corrosion like this will effect "weak signal reception" so much think what an improvement will be realized by buying a "modern state of the art" radio.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19310. Re: ot advice

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 15:14:25 UTC
From: AB2ZY
Topic: 19295 Message: 19310

Once you get into real projects, you will want the ability to reprogram and debug the device in the target circuit.

I use a standard 0.1"/2.54mm spacing 6 pin header in my projects that mates with the PICKIT. If I want to make a software change, I just have to pop the cover, plug the PICKIT into the header and bring up the project on my computer.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, MIKE DURKIN <Patriot121@...> wrote:
>
> Funny that you mention that ... I have a couple of pic32 demoboards for sale ... just a dollar under any chinese auction right now and going for almost a month with no takers.
>
> To: ham-antennas@yahoogroups.com
> From: akozak@...
> Date: Fri, 19 Aug 2011 01:59:29 +0000
> Subject: [ham-antennas] Re: ot advice
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> The PICKIT 2 @ about $35 USD is, IMO, a much better option than purchasing a demo board that may only be capable of programming one series of PIC devices. At best, it's maybe a few bucks more than one of the Velleman demo kits.

>
>
>
> I prototype my projects with one of those ubiquitous breadboards you can buy at any hamfest and a 5V wall wart PS that came out of the junk drawer. The PICKIT 2 and like devices can provide power if you need it and are capable of facilitating in circuit debugging, which you will want once you get much beyond turning an LED on and off.
>
>
>
> Al
>
> AB2ZY
>
>
>
> --- In ham-antennas@yahoogroups.com, jo barden <jobarden422@> wrote:
>
> >
>
> >
>
> > Hi all
>
> >
>
> > I am trying to get into PIC circuits and I wondered if anybody had any advice as to circuits/programmers best suited to beginner on limited funds. I have looked on ebay and have downloaded a couple of books but advice is welcome. I do not plan to go into production or anything but I want to try and dip my toes into this as lots of things seem to be going this way. PIC a star/ PIC a tune etc.
>
> >
>
> > cheers
>
> >
>
> > Jon
>
> >
>
> > G6UWK
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>

> >
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19311. Re: [ham-antennas] 102" SS whip for ham radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 15:18:05 UTC
From: dean
Topic: 19290 Message: 19311

Ahhh well I should have stated it was only for mobile operations. I mounted my FT-857D in my Saturn Vue and am looking for a better antenna than the ham stick.

From: Ron Youvan
Sent: Friday, August 19, 2011 6:21 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 102" SS whip for ham radio

Dean WY6L wrote:

> OK one more new question. Does any one have experience with the The Chameleon V2 HF Multiband
> Antenna. I have my tuner and the antenna is a lot cheaper than a screwdriver. I see on eham it has a
> 5/5 rating.

I read it as a mobile antenna. I would guess an antenna designed for fixed operation would out
perform an antenna designed for mobile operation.
http://chameleonantenna.com/ChameleonV2/ChameleonV2.html
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

19312. Re: [ham-antennas] 102" SS whip for ham radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 16:13:14 UTC
From: Ron Youvan
Topic: 19290 Message: 19312

Dean WY6L wrote:

> Ahhh well I should have stated it was only for mobile operations. I mounted my FT-857D in my Saturn
> Vue and am looking for a better antenna than the ham stick.

That would be something like a Texas bug catcher, top loaded, 3-4" loading coil (small top hat)
with a tiny coil at the feed point. No question. The uglier it is the better it will work!
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19313. Coax Balun

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 20:03:32 UTC
From: jim burns
Topic: 19313 Message: 19313

Which coax is best for winding a choke balun if winding radius isn't an issue? Which coax can take the smallest radius turn without the center conductor cold flowing through the dielectric and shorting to the shield?

Thanks !

Jim, WB4ILP

[Non-text portions of this message have been removed]

19314. AW: [ham-antennas] Coax Balun

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 20:19:57 UTC
From: Siegfried Jackstien
Topic: 19313 Message: 19314

Anycoax with solid dielectric
Smaller one rg58
Higher power rg213
Buut if you not wind too close turn even aircom can be coiled on a form
(been there, done that)
Dg9bfc
Sigi
You ask a bit confused

In first part you said radius in not an issue .. so you could use a bigger diameter for bigger coax ... and in second part you ask about smallest radius turn .. what are you exactly wanna know?!?

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jim burns
> Gesendet: Freitag, 19. August 2011 20:04
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Coax Balun
>
>
>
> Which coax is best for winding a choke balun if winding radius isn't an
> issue? Which coax can take the smallest radius turn without the center
> conductor cold flowing through the dielectric and shorting to the shield?
>
> Thanks !
>
> Jim, WB4ILP
>
> [Non-text portions of this message have been removed]
>
>
>
>

19315. RE: [ham-antennas] Coax Balun

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 20:29:51 UTC
From: jim burns
Topic: 19313 Message: 19315

Thank you Sigi ! Two different questions for two different applications.

Jim

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Siegfried Jackstien
Sent: Friday, August 19, 2011 4:20 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Coax Balun

Anycoax with solid dielectric
Smaller one rg58
Higher power rg213
Buut if you not wind too close turn even aircom can be coiled on a form
(been there, done that)
Dg9bfc
Sigi
You ask a bit confused

In first part you said radius in not an issue .. so you could use a bigger diameter for bigger coax ... and in second part you ask about smallest radius turn .. what are you exactly wanna know?!?

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> Auftrag von jim burns
> Gesendet: Freitag, 19. August 2011 20:04
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] Coax Balun
>
>
>
> Which coax is best for winding a choke balun if winding radius isn't an
> issue? Which coax can take the smallest radius turn without the center
> conductor cold flowing through the dielectric and shorting to the shield?
>
> Thanks !
>
> Jim, WB4ILP
>
> [Non-text portions of this message have been removed]
>

>
>
>

[Non-text portions of this message have been removed]

19316. Re: [ham-antennas] Coax Balun

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 20:32:56 UTC
From: Ron Youvan
Topic: 19313 Message: 19316

Jim WB4ILP Burns wrote:

> Which coax is best for winding a choke balun if winding radius isn't an
> issue? Which coax can take the smallest radius turn without the center
> conductor cold flowing through the dielectric and shorting to the shield?

Coax with a polyethylene jacket and solid polyethylene inner conductor insulation.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19317. AW: [ham-antennas] Coax Balun

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 20:34:17 UTC
From: Siegfried Jackstien
Topic: 19313 Message: 19317

If you need a way smaller coax (say to wind a stepup or stepdonw in the
input side of a pa) the there are many smaller coax available
If you do not make tooo small winding nearly any coax can be coiled up
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jim burns
> Gesendet: Freitag, 19. August 2011 20:30
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Coax Balun
>
>
>
> Thank you Sigi ! Two different questions for two different applications.
>
> Jim
>
> _____
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>] On
> Behalf Of Siegfried Jackstien
> Sent: Friday, August 19, 2011 4:20 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Coax Balun
>
> Anycoax with solid dielectric
> Smaller one rg58
> Higher power rg213
> Buut if you not wind too close turn even aircom can be coiled on a form
> (been there, done that)
> Dg9bfc
> Sigi
> You ask a bit confused
>
> In first part you said radius in not an issue .. so you could use a bigger
> diameter for bigger coax ... and in second part you ask about smallest
> radius turn .. what are you exactly wanna know?!?
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
>] Im
> > Auftrag von jim burns
> > Gesendet: Freitag, 19. August 2011 20:04
> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Betreff: [ham-antennas] Coax Balun
> >
> >
> >
> > Which coax is best for winding a choke balun if winding radius isn't an
> > issue? Which coax can take the smallest radius turn without the center
> > conductor cold flowing through the dielectric and shorting to the
> shield?
> >
> > Thanks !
> >
> > Jim, WB4ILP
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19318. Fwd: [ham-antennas] Antenna aging

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 20:48:21 UTC
From: DVC3565@aol.com
Topic: 19318 Message: 19318

Ron: There IS "skin effect," even at 29 Mhz. That's why even tube amplifiers with silver plated tank
circuits almost ALWAYS need a tuned input circuit on 10 Meter's and above. (I know, as I had
some "problems" with my home brew linear and HF damage, UNTIL I finally redesigned it and
put a tuned input on 10 meters.) And today's solid state linear's don't last long on 10 M, if things
are not SWR/output stable on 10. My 25 cents after 30 + years of building.
Also that new modern state of the art radio can have a signal floor of 1 micro volt for 20 db gain,
but IF there isn't any signal to amplify..it's all noise. The old timer's know what QQQ means.
(It's an "old" Q signal meaning "clean your antenna"-for the younger crowd.)
Something a kin to the "wouff hong."
73 es Gud DX to U
Dave-KJ4PF

That seems to indicate an antenna made with stainless steel wire may be better than one made of
copper, it would never develop that problem. I think 29 MHz is a bit low to be so severely effected
by the skin effect.
If a layer of corrosion like this will effect "weak signal reception" so much think what an
improvement will be realized by buying a "modern state of the art" radio.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

19319. Re: [ham-antennas] Coax Balun

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 21:08:50 UTC
From: James Irving
Topic: 19313 Message: 19319

Hi Jim... How much power are we talking about?... K9JFK

From: jim burns <jfburns@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, August 19, 2011 3:03 PM
Subject: [ham-antennas] Coax Balun

Which coax is best for winding a choke balun if winding radius isn't an issue? Which coax can take the smallest radius turn without the center conductor cold flowing through the dielectric and shorting to the shield?

Thanks !

Jim, WB4ILP

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19320. 43' Vertical Club

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-19 23:58:33 UTC
From: Louis Visconti
Topic: 19320 Message: 19320

With all the talk about 43' verticals, I'm jumping in. I have a nice branch that I can hang some 18ga wire from and plan to use a SGC 237 tuner at the base. Has anyone tried this? I'm somewhat limited for space for radials. I know the more the merrier, but what is a reasonable minimum number? Will this present a problem to the tuner?

Lou, KD2MU

19321. Re: [ham-antennas] 43' Vertical Club

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 00:06:20 UTC
From: Larry Tooley
Topic: 19320 Message: 19321

Should work great. The old WWII Command rigs had a short antenna the transmitter matched to. But the shorter the random wire the worse the radiation is. The Command rigs just ran about 10 watts talking plane to plane.

----- Original Message -----
From: Louis Visconti
To: ham-antennas@yahoogroups.com
Sent: Friday, August 19, 2011 6:58 PM
Subject: [ham-antennas] 43' Vertical Club

With all the talk about 43' verticals, I'm jumping in. I have a nice branch that I can hang some 18ga wire from and plan to use a SGC 237 tuner at the base. Has anyone tried this? I'm somewhat limited for space for radials. I know the more the merrier, but what is a reasonable minimum number? Will this present a problem to the tuner?

Lou, KD2MU

[Non-text portions of this message have been removed]

19322. Re: [ham-antennas] 43' Vertical Club

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 00:15:06 UTC
From: Dan Schaaf
Topic: 19320 Message: 19322

20 radials minimum of whatever lengths will fit on your property will be fine.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: Louis Visconti
To: ham-antennas@yahoogroups.com
Sent: Friday, August 19, 2011 7:58 PM
Subject: [ham-antennas] 43' Vertical Club

With all the talk about 43' verticals, I'm jumping in. I have a nice
branch that I can hang some 18ga wire from and plan to use a SGC 237
tuner at the base. Has anyone tried this? I'm somewhat limited for space
for radials. I know the more the merrier, but what is a reasonable
minimum number? Will this present a problem to the tuner?

Lou, KD2MU

[Non-text portions of this message have been removed]

19323. Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 00:20:14 UTC
From: Ross
Topic: 19323 Message: 19323

Goodmorning,
I am about to errect a Windom antenna, and would like to make it out of thin wire,so as not create too much loading on the supports,
What are conciderations I should take nto place
Thanks Ross

19324. Re: [ham-antennas] 43' Vertical Club

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 00:27:04 UTC
From: Larry Banks
Topic: 19320 Message: 19324

Hi Lou,

This is from the ARRL antenna book:

Practical Suggestions For Vertical Ground Systems

At least 16 radials should be used if at all possible.
Experimental measurements and calculations show that with
this number, the loss resistance decreases the antenna efficiency
by 30% to 50% for a 0.25 wavelength vertical, depending on
soil characteristics. In general, a large number of radials (even
though some or all of them must be short) is preferable to a
few long radials for a vertical antenna mounted on the ground.
The conductor size is relatively unimportant as mentioned
before: #12 to #22 copper wire is suitable.
a.. If you install only 16 radials they
need not be very long - 0.1 lambda is sufficient.
b.. If you have the wire, the space and the patience to lay
down 120 radials (optimal configuration), they should
be 0.4 lambda long. This radial system will gain about 3 dB
over the 16-radial case.
c.. If you install 36 radials that are 0.15 lambda long, you will
lose 1.5 dB compared to optimal configuration.
---

73 -- Larry -- W1DYJ

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Friday, August 19, 2011 8:15 PM
Subject: Re: [ham-antennas] 43' Vertical Club

20 radials minimum of whatever lengths will fit on your property will be fine.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: Louis Visconti
To: ham-antennas@yahoogroups.com
Sent: Friday, August 19, 2011 7:58 PM
Subject: [ham-antennas] 43' Vertical Club

With all the talk about 43' verticals, I'm jumping in. I have a nice branch that I can hang some 18ga wire from and plan to use a SGC 237 tuner at the base. Has anyone tried this? I'm somewhat limited for space for radials. I know the more the merrier, but what is a reasonable minimum number? Will this present a problem to the tuner?

Lou, KD2MU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19325. Re: WideBand Dipole.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 02:00:09 UTC
From: Bryan
Topic: 19204 Message: 19325

Dean WY6L wrote:
>
> How about a picture?
>
> 73, WY6L

Sorry Dean, I'm not going to lower my antenna just to take a photo. A word picture will have to do. Each spreader (four on either side of the feedpoint) is 24"x24", made from four 12" pieces of 1/2" PVC, glued into a cross. My FD and home QTH antennas depart from there. The spreaders for the FD antenna have the tips of the tube slotted to allow the 7-strand 14ga hard drawn copper wire to squeeze in. A hacksaw or bandsaw works nicely. The spreaders for the home QTH have holes drilled thru the tips, and I pass 168-strand 14ga hard drawn PVC-covered copper wire through the holes. Black (UV resistant) cable ties hold the spreaders in place. In both antennas, there is a spreader around 5' from the ends and center. The remaining spreaders split the distance between them and the end/center spreaders.

The weight of 500' of wire adds up quickly. In retrospect, 16ga wire would've cut the weight without compromising strength. Still, they've been OK. I use split-bolt connectors to ensure a good mechanical & electrical connection. They can be found in your home improvement box store for not a lot of dough.

vy 73,
Bryan WA7PRC

Richard Schmuke KDØZZ wrote:
>
> I am curious about the spreaders, where do you get schedule 10 PVC, I have seen it in 40, 80 and 120 but the only way I have seen schedule 10 is in different types of steel.
>
> Rich ,KDØZZ

Yeah Rich, I had brain fade. It's Schedule 40. BTW, I see some suppliers (not the box stores) have smaller sizes available.
vy 73,
Bryan WA7PRC

19326. AW: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 09:42:03 UTC
From: Siegfried Jackstien
Topic: 19323 Message: 19326

Dont make it too thin as it will not last long
For lowest sag and lowest load on he supports use light-weight wire
I would recommend aluminium fence wire 1.6 or 2 mm
Very very light ... but strong enough
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ross
> Gesendet: Samstag, 20. August 2011 00:20
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Thickness of HF wire antenna's
>
>
>
> Goodmorning,
> I am about to errect a Windom antenna, and would like to make it out of
> thin wire,so as not create too much loading on the supports,
> What are concideration I should take nto place
> Thanks Ross
>
>
>
>

19327. RE: AW: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 10:14:52 UTC
From: jo barden
Topic: 19323 Message: 19327

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I can make a few suggestions. First tin the wire ends that connect to the balun, waterproof the balun, and then waterproof the waterproofing. This is especially true here in the UK. lower antenna every year for maintenance. It is amazing the difference in SWR before and after. things deteriorate so gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV proof that will also have points to take strain of the antenna wire. I use plastic guttering, if gently heated with hot air gun it becomes pliable and then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

19328. RE: AW: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 12:36:57 UTC
From: Richard Schmuke
Topic: 19323 Message: 19328

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100 with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to stop rust and corrosion.
http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I can make a few suggestions. First tin the wire ends that connect to the balun, waterproof the balun, and then waterproof the waterproofing. This is especially true here in the UK. lower antenna every year for maintenance. It is amazing the difference in SWR before and after. things deteriorate so gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV proof that will also have points to take strain of the antenna wire. I use plastic guttering, if gently heated with hot air gun it becomes pliable and then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are concideration I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19329. Re: AW: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 14:16:34 UTC
From: dean
Topic: 19323 Message: 19329

I forget what the length the rolls of fence wire come in but 1000 Ft comes to mind. I thought about buying a roll and putting up my full wave 160 meter dipole. Hang it just below my existing 75/40 Meter inverted V fan dipole.

73, WY6L

From: Siegfried Jackstien
Sent: Saturday, August 20, 2011 2:42 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Thickness of HF wire antenna's

Dont make it too thin as it will not last long
For lowest sag and lowest load on he supports use light-weight wire
I would recommend aluminium fence wire 1.6 or 2 mm
Very very light ... but strong enough
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Ross
> Gesendet: Samstag, 20. August 2011 00:20
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: [ham-antennas] Thickness of HF wire antenna's
>
>
>
> Goodmorning,
> I am about to errect a Windom antenna, and would like to make it out of
> thin wire,so as not create too much loading on the supports,
> What are conciderations I should take nto place
> Thanks Ross
>
>
>
>

[Non-text portions of this message have been removed]

19330. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 14:24:23 UTC
From: dean
Topic: 19323 Message: 19330

What is the diameter of the pvc the copper wires are wrapped around. It looks very nice. I do not have a balun on my antennas but I do have an RF choke just below each antenna. About 6 to 8 turns of coax about 10” in diameter.

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 5:36 AM
To: ham-antennas@yahoogroups.com
Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100 with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to stop rust and corrosion.
http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I can make a few suggestions. First tin the wire ends that connect to the balun, waterproof the balun, and then waterproof the waterproofing. This is especially true here in the UK. lower antenna every year for maintenance. It is amazing the difference in SWR before and after. things deteriorate so gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV proof that will also have points to take strain of the antenna wire. I use plastic guttering, if gently heated with hot air gun it becomes pliable and then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

19331. Re: AW: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 14:29:27 UTC
From: Tom-KE1JF
Topic: 19323 Message: 19331

Hi Ross,

Besides all of the other very good suggestions, very thin copper wire would break quite easily so I would use Copperweld or a similar type of wire for it's strength. One supplier has it as thin as 18 gauge (breaking point is 280 pounds). There is also a very thin 26 gauge stranded copper clad wire that's insulated that is very flexible & also is stronger than thin copper wire. The problem with thin copper wire is that it breaks easily so this is one solution that will help keep the antenna up & working longer. Here's one supplier for reference to see the available ;

http://www.thewireman.com/antennap.html

73,
Tom, KE1JF

>
>> Goodmorning,
>
>> I am about to errect a Windom antenna, and would like to make it out of
>
>> thin wire,so as not create too much loading on the supports,
>
>> What are conciderations I should take nto place
>
>> Thanks Ross
>

[Non-text portions of this message have been removed]

19332. RE: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 15:07:42 UTC
From: Richard Schmuke
Topic: 19323 Message: 19332

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1 Guanella current balun. The wire is not wrapped on PVC but it is 10MM ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap of regular electrical tape at the ends to hold the Teflon in place while the magnet wire is wrapped. The dual windings are spaced .025 with monofilament fishing line then the assembly is has a light coat of quick drying epoxy to hold it in place. The completed balun was then tweaked to a center frequency of 10-MHz to give good coverage from 75M thru 10M. The next evolution of this type is a indoor balun on 1/2" or 13MM ferrite rods to feed my 450 ohm line and it is switchable between a 1:1 or a 4:1 balun setup. This can be seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It looks very nice. I do not have a balun on my antennas but I do have an RF choke just below each antenna. About 6 to 8 turns of coax about 10" in diameter.

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 5:36 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100 with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to stop rust and corrosion.
http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I can make a few suggestions. First tin the wire ends that connect to the balun, waterproof the balun, and then waterproof the waterproofing. This is especially true here in the UK. lower antenna every year for maintenance. It is amazing the difference in SWR before and after. things deteriorate so gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV proof that will also have points to take strain of the antenna wire. I use plastic guttering, if gently heated with hot air gun it becomes pliable and then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19333. Re: AW: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 16:04:21 UTC
From: Ron Youvan
Topic: 19323 Message: 19333

Dean WY6L wrote:

> I forget what the length the rolls of fence wire come in but 1000 Ft comes to mind. I thought about
> buying a roll and putting up my full wave 160 meter dipole. Hang it just below my existing 75/40
> Meter inverted V fan dipole.

Typically 1/4 mile or 1,320 feet.
http://www.mightypets.com/FW-00001.aspx
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life 'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19334. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 16:35:10 UTC
From: dean
Topic: 19323 Message: 19334

Thanks

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 8:07 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1 Guanella current balun. The wire is not wrapped on PVC but it is 10MM ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap of regular electrical tape at the ends to hold the Teflon in place while the magnet wire is wrapped. The dual windings are spaced .025 with monofilament fishing line then the assembly is has a light coat of quick drying epoxy to hold it in place. The completed balun was then tweaked to a center frequency of 10-MHz to give good coverage from 75M thru 10M. The next evolution of this type is a indoor balun on 1/2" or 13MM ferrite rods to feed my 450 ohm line and it is switchable between a 1:1 or a 4:1 balun setup. This can be seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It looks very nice. I do not have a balun on my antennas but I do have an RF choke just below each antenna. About 6 to 8 turns of coax about 10" in diameter.

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 5:36 AM
To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100
with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to
stop rust and corrosion.
http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I
can make a few suggestions. First tin the wire ends that connect to the
balun, waterproof the balun, and then waterproof the waterproofing. This is
especially true here in the UK. lower antenna every year for maintenance. It
is amazing the difference in SWR before and after. things deteriorate so
gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV proof that will also have points to take strain of the antenna wire. I use plastic guttering, if gently heated with hot air gun it becomes pliable and then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19335. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 16:37:40 UTC
From: dean
Topic: 19323 Message: 19335

I guess I'll have to buy another spool as I gave mine to a friend to use, like I did, in his yard to keep the dogs from digging under the fence.

73, WY6L

From: Ron Youvan
Sent: Saturday, August 20, 2011 9:04 AM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Thickness of HF wire antenna's

Dean WY6L wrote:

> I forget what the length the rolls of fence wire come in but 1000 Ft comes to mind. I thought about
> buying a roll and putting up my full wave 160 meter dipole. Hang it just below my existing 75/40
> Meter inverted V fan dipole.

Typically 1/4 mile or 1,320 feet.
http://www.mightypets.com/FW-00001.aspx
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

19336. RE: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 16:53:39 UTC
From: jo barden
Topic: 19323 Message: 19336

watching you in total envy from this side of the pond, 1/4 mile for that price!!!

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Sat, 20 Aug 2011 09:37:40 -0700
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

I guess I?ll have to buy another spool as I gave mine to a friend to use, like I did, in his yard to keep the dogs from digging under the fence.

73, WY6L

From: Ron Youvan

Sent: Saturday, August 20, 2011 9:04 AM

To: ham-antennas@yahoogroups.com

Subject: Re: AW: [ham-antennas] Thickness of HF wire antenna's

Dean WY6L wrote:

> I forget what the length the rolls of fence wire come in but 1000 Ft comes to mind. I thought about

> buying a roll and putting up my full wave 160 meter dipole. Hang it just below my existing 75/40

> Meter inverted V fan dipole.

Typically 1/4 mile or 1,320 feet.

http://www.mightypets.com/FW-00001.aspx

--

Ron KA4INM - I've been carving my initials on trees and furniture all my life

'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19337. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 17:22:23 UTC
From: dean
Topic: 19323 Message: 19337

Do they ship international? I didn't look. I do not know what shipping is
to England.

73, WY6L

-----Original Message-----
From: jo barden
Sent: Saturday, August 20, 2011 9:53 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

watching you in total envy from this side of the pond, 1/4 mile for that
price!!!

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Sat, 20 Aug 2011 09:37:40 -0700
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

I guess I'll have to buy another spool as I gave mine to a friend to
use, like I did, in his yard to keep the dogs from digging under the fence.

73, WY6L

From: Ron Youvan

Sent: Saturday, August 20, 2011 9:04 AM

To: ham-antennas@yahoogroups.com

Subject: Re: AW: [ham-antennas] Thickness of HF wire antenna's

Dean WY6L wrote:

> I forget what the length the rolls of fence wire come in but 1000 Ft comes
> to mind. I thought about

> buying a roll and putting up my full wave 160 meter dipole. Hang it just
> below my existing 75/40

> Meter inverted V fan dipole.

Typically 1/4 mile or 1,320 feet.

http://www.mightypets.com/FW-00001.aspx

--

Ron KA4INM - I've been carving my initials on trees and furniture all my
life

'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19338. RE: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 18:02:35 UTC
From: Richard Schmuke
Topic: 19323 Message: 19338

Jon , you are looking at the expensive stuff, us farm boys use the cheap wire.
http://www.google.com/products/catalog?q=elec+fence+wire&oe=utf-8&rls=org.mozilla:en-US:official&client=firefox-a&um=1&ie=UTF-8&tbm=shop&cid=3513309907273788350&sa=X&ei=3_RPTp-cEpC80AGV7_mNBw&ved=0CFoQ8wIwAQ
I hope the link works, if not just Google == elec fence wire== 11 dollars for 402 meters (1320ft). My loop is copper but my 135ft doublet is steel fence wire.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jo barden
Sent: Saturday, August 20, 2011 11:54 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

watching you in total envy from this side of the pond, 1/4 mile for that price!!!

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Sat, 20 Aug 2011 09:37:40 -0700
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

I guess I'll have to buy another spool as I gave mine to a friend to use, like I did, in his yard to keep the dogs from digging under the fence.

73, WY6L

From: Ron Youvan

Sent: Saturday, August 20, 2011 9:04 AM

To: ham-antennas@yahoogroups.com

Subject: Re: AW: [ham-antennas] Thickness of HF wire antenna's

Dean WY6L wrote:

> I forget what the length the rolls of fence wire come in but 1000 Ft comes to mind. I thought about

> buying a roll and putting up my full wave 160 meter dipole. Hang it just below my existing 75/40

> Meter inverted V fan dipole.

Typically 1/4 mile or 1,320 feet.

http://www.mightypets.com/FW-00001.aspx

--

Ron KA4INM - I've been carving my initials on trees and furniture all my life

'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19339. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 21:06:54 UTC
From: Ron Youvan
Topic: 19323 Message: 19339

Richard Schmuke wrote:

> Jon , you are looking at the expensive stuff, us farm boys use the cheap wire.
> http://www.google.com/products/catalog?q=elec+fence+wire&oe=utf-8&rls=org.mo
> <http://www.google.com/products/catalog?q=elec+fence+wire&oe=utf-8&rls=org.mo>
> zilla:en-US:official&client=firefox-a&um=1&ie=UTF-8&tbm=shop&cid=35133099072
> 73788350&sa=X&ei=3_RPTp-cEpC80AGV7_mNBw&ved=0CFoQ8wIwAQ
> I hope the link works, if not just Google == elec fence wire== 11 dollars
> for 402 meters (1320ft). My loop is copper but my 135ft doublet is steel
> fence wire.

It's not cheaper, just "galvanized steel" as apposed to aluminum. The "galvanized steel" would
be better from a tensile strength aspect, (which is great for stealth and longer antennas) but every
4 or 5 years it would need to be replaced because of rust. (depending on the weather)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19340. Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 21:24:42 UTC
From: jo barden
Topic: 19323 Message: 19340

Just checked out price of 400m of 2.5mm Aluminium wire at electric fence website works out at £84 ($138) including taxes but not delivery. Cheaper option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm enamelled copper wire doesn't seem so bad now!

I must admit I am tending to use a lot of cat 5e now days, not prohibitively expensive, and providing not under too much tension works well. Saying that I am only running 100W, I will hopefully finish my large loop 500ft approx but only 5ft high soon so see how that goes.

Jon

G6UWK

[Non-text portions of this message have been removed]

19341. Re: [ham-antennas] Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 21:50:01 UTC
From: dean
Topic: 19323 Message: 19341

So I take it your joining all the ends together so you have more surface. I want to make mine so it’ll work with 1.5 KW. I only have 500 W’s now but there is always the future.

73, WY6L

From: jo barden
Sent: Saturday, August 20, 2011 2:24 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Cost of Aluminium wire

Just checked out price of 400m of 2.5mm Aluminium wire at electric fence website works out at £84 ($138) including taxes but not delivery. Cheaper option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm enamelled copper wire doesn't seem so bad now!

I must admit I am tending to use a lot of cat 5e now days, not prohibitively expensive, and providing not under too much tension works well. Saying that I am only running 100W, I will hopefully finish my large loop 500ft approx but only 5ft high soon so see how that goes.

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19342. Re: [ham-antennas] Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 21:54:44 UTC
From: dean
Topic: 19323 Message: 19342

Give this site a go

http://www.agrisupply.com/product.asp?pn=28583

Its $16 here in the states. If they ship to England you got a good deal maybe.

73, WY6L

From: jo barden
Sent: Saturday, August 20, 2011 2:24 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Cost of Aluminium wire

Just checked out price of 400m of 2.5mm Aluminium wire at electric fence website works out at £84 ($138) including taxes but not delivery. Cheaper option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm enamelled copper wire doesn't seem so bad now!

I must admit I am tending to use a lot of cat 5e now days, not prohibitively expensive, and providing not under too much tension works well. Saying that I am only running 100W, I will hopefully finish my large loop 500ft approx but only 5ft high soon so see how that goes.

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19343. RE: [ham-antennas] Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 22:00:36 UTC
From: Richard Schmuke
Topic: 19323 Message: 19343

I tried some MIG alum welding wire years ago but it did not seem to hold up in the weather, it got brittle.

Rich

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jo barden
Sent: Saturday, August 20, 2011 4:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Cost of Aluminium wire

Just checked out price of 400m of 2.5mm Aluminium wire at electric fence website works out at £84 ($138) including taxes but not delivery. Cheaper option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm enamelled copper wire doesn't seem so bad now!

I must admit I am tending to use a lot of cat 5e now days, not prohibitively expensive, and providing not under too much tension works well. Saying that I am only running 100W, I will hopefully finish my large loop 500ft approx but only 5ft high soon so see how that goes.

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19344. RE: [ham-antennas] Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 22:07:08 UTC
From: Richard Schmuke
Topic: 19323 Message: 19344

Just a added note the alum wire I used and was not so good was holding up in the elements was type 4043 for welding 6061 alum.

Rich , Kd0zz

Subject: [ham-antennas] Cost of Aluminium wire

Just checked out price of 400m of 2.5mm Aluminium wire at electric fence website works out at £84 ($138) including taxes but not delivery. Cheaper option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm enamelled copper wire doesn't seem so bad now!

I must admit I am tending to use a lot of cat 5e now days, not prohibitively expensive, and providing not under too much tension works well. Saying that I am only running 100W, I will hopefully finish my large loop 500ft approx but only 5ft high soon so see how that goes.

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19345. Re: 43' Vertical Club

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-20 22:34:14 UTC
From: g4ldsqrp
Topic: 19320 Message: 19345

from experience we use min of 4 for a mono band vertical
i use 4 x 10m for a multi band type when /p

but lay down as many as you can, you will gain the benefit!!!

chris

G4LDS

19346. Re: [ham-antennas] Re: 43' Vertical Club

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 00:26:58 UTC
From: Louis Visconti
Topic: 19320 Message: 19346

Have you ever used an automatic tuner with the 43'?
Lou

On 8/20/2011 6:34 PM, g4ldsqrp wrote:
>
>
> from experience we use min of 4 for a mono band vertical
> i use 4 x 10m for a multi band type when /p
>
> but lay down as many as you can, you will gain the benefit!!!
>
> chris
>
> G4LDS
>
>

[Non-text portions of this message have been removed]

19347. Re: [ham-antennas] Re: 43' Vertical Club

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 00:34:02 UTC
From: Dan Schaaf
Topic: 19320 Message: 19347

MFJ has announced a remote automatic tuner for location at the antenna 1.5KW power.
http://www.mfjenterprises.com/Product.php?productid=MFJ-998RT

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: Louis Visconti
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 20, 2011 8:26 PM
Subject: Re: [ham-antennas] Re: 43' Vertical Club

Have you ever used an automatic tuner with the 43'?
Lou

On 8/20/2011 6:34 PM, g4ldsqrp wrote:
>
>
> from experience we use min of 4 for a mono band vertical
> i use 4 x 10m for a multi band type when /p
>
> but lay down as many as you can, you will gain the benefit!!!
>
> chris
>
> G4LDS
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19348. 43' Vertical Club

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 00:53:29 UTC
From: W1JCW
Topic: 19320 Message: 19348

Yes the 998 with power down to 160m.

I was using it today as well with the NA qso party.

73-
W1JCW
John

From: Louis Visconti
Sent: Saturday, August 20, 2011 7:26 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 43' Vertical Club

Have you ever used an automatic tuner with the 43'?
Lou

[Non-text portions of this message have been removed]

19349. Re: [ham-antennas] 43' Vertical Club

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 01:24:45 UTC
From: Dan Schaaf
Topic: 19320 Message: 19349

I have the in-shack 998 and it is fantastic. I managed to get a Beta software from the MFJ engineer so that I can run it on my PC and tune the tuner with mouse click and also select all of the different functions of the tuner and switch antennas all from the PC. And the software has bar graphs to show power out and SWR and reflected power. It also shows how much capacitance and/or inductance was needed to tune the antenna system. And you can click a button to save settings for any frequency. And you can click to bypass the tuner.
They never published or sold the software. I got lucky.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: W1JCW
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 20, 2011 8:53 PM
Subject: [ham-antennas] 43' Vertical Club

Yes the 998 with power down to 160m.

I was using it today as well with the NA qso party.

73-
W1JCW
John

From: Louis Visconti
Sent: Saturday, August 20, 2011 7:26 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 43' Vertical Club

Have you ever used an automatic tuner with the 43'?
Lou

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19350. Re: [ham-antennas] Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 03:19:40 UTC
From: Larry Tooley
Topic: 19323 Message: 19350

Aluminum sounds great. It's cheap easy to bend and lightweight. I wounder if a dipole blowing in the wind would break?

----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 20, 2011 5:00 PM
Subject: RE: [ham-antennas] Cost of Aluminium wire

I tried some MIG alum welding wire years ago but it did not seem to hold up
in the weather, it got brittle.

Rich

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of jo barden
Sent: Saturday, August 20, 2011 4:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Cost of Aluminium wire

Just checked out price of 400m of 2.5mm Aluminium wire at electric fence website works out at £84 ($138) including taxes but not delivery. Cheaper option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm enamelled copper wire doesn't seem so bad now!

I must admit I am tending to use a lot of cat 5e now days, not prohibitively
expensive, and providing not under too much tension works well. Saying that
I am only running 100W, I will hopefully finish my large loop 500ft approx but only 5ft high soon so see how that goes.

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19351. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 03:20:52 UTC
From: Larry Tooley
Topic: 19323 Message: 19351

Has anyone ever loaded up railroad tracks???

----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 20, 2011 11:35 AM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Thanks

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 8:07 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1 Guanella current balun. The wire is not wrapped on PVC but it is 10MM ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap of regular electrical tape at the ends to hold the Teflon in place while the magnet wire is wrapped. The dual windings are spaced .025 with monofilament fishing line then the assembly is has a light coat of quick drying epoxy to hold it in place. The completed balun was then tweaked to a center frequency of 10-MHz to give good coverage from 75M thru 10M. The next evolution of this type is a indoor balun on 1/2” or 13MM ferrite rods to feed my 450 ohm line and it is switchable between a 1:1 or a 4:1 balun setup. This can be seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It looks very nice. I do not have a balun on my antennas but I do have an RF choke just below each antenna. About 6 to 8 turns of coax about 10” in diameter.

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 5:36 AM
To: mailto:ham-antennas%40yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100 with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to

stop rust and corrosion.
http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I
can make a few suggestions. First tin the wire ends that connect to the
balun, waterproof the balun, and then waterproof the waterproofing. This is
especially true here in the UK. lower antenna every year for maintenance. It
is amazing the difference in SWR before and after. things deteriorate so
gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV
proof that will also have points to take strain of the antenna wire. I use
plastic guttering, if gently heated with hot air gun it becomes pliable and
then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are concideration I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be
cause

for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19352. RE: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 05:21:22 UTC
From: jo barden
Topic: 19323 Message: 19352

Don't do it!!! as ex railwayman it is something I actually know about. signalling uses upto 600 volts DC/AC at various frequencies between rails, in electrified areas most times return current path so could have upto 2KA running through it. I suppose if you were in the middle of the Nullabor desert or similar you may be OK but otherwise Don't do it even in jest.

Jon

To: ham-antennas@yahoogroups.com
From: wa9guu@...
Date: Sat, 20 Aug 2011 22:20:52 -0500
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Has anyone ever loaded up railroad tracks???

----- Original Message -----

From: dean

To: ham-antennas@yahoogroups.com

Sent: Saturday, August 20, 2011 11:35 AM

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Thanks

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 8:07 AM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1

Guanella current balun. The wire is not wrapped on PVC but it is 10MM

ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap

of regular electrical tape at the ends to hold the Teflon in place while the

magnet wire is wrapped. The dual windings are spaced .025 with monofilament

fishing line then the assembly is has a light coat of quick drying epoxy to

hold it in place. The completed balun was then tweaked to a center frequency

of 10-MHz to give good coverage from 75M thru 10M. The next evolution of this type is a indoor balun on 1/2? or 13MM ferrite rods to feed my 450 ohm line and it is switchable between a 1:1 or a 4:1 balun setup. This can be seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It looks very nice. I do not have a balun on my antennas but I do have an RF choke just below each antenna. About 6 to 8 turns of coax about 10? in diameter.

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 5:36 AM

To: mailto:ham-antennas%40yahoogroups.com

<mailto:ham-antennas%40yahoogroups.com>

Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100 with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to stop rust and corrosion.

http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I

can make a few suggestions. First tin the wire ends that connect to the balun, waterproof the balun, and then waterproof the waterproofing. This is

especially true here in the UK. lower antenna every year for maintenance. It

is amazing the difference in SWR before and after. things deteriorate so

gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV

proof that will also have points to take strain of the antenna wire. I use

plastic guttering, if gently heated with hot air gun it becomes pliable

and

then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be

cause

for suspension. Moderators WILL have final say in these matters.

Post message: mailto:ham-antennas%40yahoogroups.com

Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com

Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com

List owner: mailto:ham-antennas-owner%40yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19353. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 05:34:04 UTC
From: dean
Topic: 19323 Message: 19353

I had some friends who used jumper cables across tracks close to a RR crossing. It would drop the arms then when they took the cables off the arm would go back up after a short bit. Like a train coming and going. They got the idea from our Electronics teacher.

73, WY6L

-----Original Message-----
From: jo barden
Sent: Saturday, August 20, 2011 10:21 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Don't do it!!! as ex railwayman it is something I actually know about. signalling uses upto 600 volts DC/AC at various frequencies between rails, in electrified areas most times return current path so could have upto 2KA running through it. I suppose if you were in the middle of the Nullabor desert or similar you may be OK but otherwise Don't do it even in jest.

Jon

To: ham-antennas@yahoogroups.com
From: wa9guu@...
Date: Sat, 20 Aug 2011 22:20:52 -0500
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Has anyone ever loaded up railroad tracks???

----- Original Message -----

From: dean

To: ham-antennas@yahoogroups.com

Sent: Saturday, August 20, 2011 11:35 AM

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Thanks

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 8:07 AM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1 Guanella current balun. The wire is not wrapped on PVC but it is 10MM ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap of regular electrical tape at the ends to hold the Teflon in place while the magnet wire is wrapped. The dual windings are spaced .025 with monofilament fishing line then the assembly is has a light coat of quick drying epoxy to hold it in place. The completed balun was then tweaked to a center frequency of 10-MHz to give good coverage from 75M thru 10M. The next evolution of this type is a indoor balun on 1/2" or 13MM ferrite rods to feed my 450 ohm line and it is switchable between a 1:1 or a 4:1 balun setup. This can be seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It looks very nice. I do not have a balun on my antennas but I do have an RF choke just below each antenna. About 6 to 8 turns of coax about 10" in diameter.

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 5:36 AM

To: mailto:ham-antennas%40yahoogroups.com

<mailto:ham-antennas%40yahoogroups.com>

Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100 with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to stop rust and corrosion.

http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if

I

can make a few suggestions. First tin the wire ends that connect to the

balun, waterproof the balun, and then waterproof the waterproofing. This

is

especially true here in the UK. lower antenna every year for maintenance.

It

is amazing the difference in SWR before and after. things deteriorate so

gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV

proof that will also have points to take strain of the antenna wire. I use

plastic guttering, if gently heated with hot air gun it becomes pliable

and

then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be

cause

for suspension. Moderators WILL have final say in these matters.

Post message: mailto:ham-antennas%40yahoogroups.com

Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com

Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com

List owner: mailto:ham-antennas-owner%40yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19354. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 07:11:03 UTC
From: James Irving
Topic: 19323 Message: 19354

Don't know if it would work at HF, but you may be able to have a qso with a submarine. :)

From: Larry Tooley <wa9guu@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 20, 2011 10:20 PM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Has anyone ever loaded up railroad tracks???

----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 20, 2011 11:35 AM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Thanks

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 8:07 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1 Guanella current balun. The wire is not wrapped on PVC but it is 10MM ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap of regular electrical tape at the ends to hold the Teflon in place while the magnet wire is wrapped. The dual windings are spaced .025 with monofilament fishing line then the assembly is has a light coat of quick drying epoxy to hold it in place. The completed balun was then tweaked to a center frequency of 10-MHz to give good coverage from 75M thru 10M. The next evolution of this type is a indoor balun on 1/2” or 13MM ferrite rods to feed my 450 ohm line and it is switchable between a 1:1 or a 4:1 balun setup. This can be seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It looks very nice. I do not have a balun on my antennas but I do have an RF choke just below each antenna. About 6 to 8 turns of coax about 10” in diameter.

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 5:36 AM
To: mailto:ham-antennas%40yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100 with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to stop rust and corrosion.
http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I
can make a few suggestions. First tin the wire ends that connect to the balun, waterproof the balun, and then waterproof the waterproofing. This is
especially true here in the UK. lower antenna every year for maintenance. It
is amazing the difference in SWR before and after. things deteriorate so gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV proof that will also have points to take strain of the antenna wire. I use plastic guttering, if gently heated with hot air gun it becomes pliable and
then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19355. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 08:37:21 UTC
From: Larry Tooley
Topic: 19323 Message: 19355

True. Wondered if it would be an excellent long wire.

----- Original Message -----
From: James Irving
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 21, 2011 2:11 AM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Don't know if it would work at HF, but you may be able to have a qso with
a submarine. :)

_____
From: Larry Tooley <wa9guu@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 20, 2011 10:20 PM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Has anyone ever loaded up railroad tracks???

----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 20, 2011 11:35 AM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Thanks

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 8:07 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1
Guanella current balun. The wire is not wrapped on PVC but it is 10MM
ferrite rods wrapped with a couple of layers of Teflon pipe tape and a
wrap
of regular electrical tape at the ends to hold the Teflon in place while
the
magnet wire is wrapped. The dual windings are spaced .025 with
monofilament
fishing line then the assembly is has a light coat of quick drying epoxy
to
hold it in place. The completed balun was then tweaked to a center
frequency
of 10-MHz to give good coverage from 75M thru 10M. The next evolution of

this type is a indoor balun on 1/2” or 13MM ferrite rods to feed my 450 ohm
line and it is switchable between a 1:1 or a 4:1 balun setup. This can be seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It looks very nice. I do not have a balun on my antennas but I do have an RF choke just below each antenna. About 6 to 8 turns of coax about 10” in diameter.

73, WY6L

From: Richard Schmuke
Sent: Saturday, August 20, 2011 5:36 AM
To: mailto:ham-antennas%40yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100 with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to stop rust and corrosion.
http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I
can make a few suggestions. First tin the wire ends that connect to the balun, waterproof the balun, and then waterproof the waterproofing. This is
especially true here in the UK. lower antenna every year for maintenance. It
is amazing the difference in SWR before and after. things deteriorate so gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV proof that will also have points to take strain of the antenna wire. I use plastic guttering, if gently heated with hot air gun it becomes pliable and
then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be
cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19356. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 08:39:24 UTC
From: Larry Tooley
Topic: 19323 Message: 19356

Advice well taken. It's not mine to use is it? Maybe an abandoned track would work. Just dreaming.

----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 21, 2011 12:34 AM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

I had some friends who used jumper cables across tracks close to a RR crossing. It would drop the arms then when they took the cables off the arm
would go back up after a short bit. Like a train coming and going. They got the idea from our Electronics teacher.

73, WY6L

-----Original Message-----
From: jo barden
Sent: Saturday, August 20, 2011 10:21 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Don't do it!!! as ex railwayman it is something I actually know about. signalling uses upto 600 volts DC/AC at various frequencies between rails, in electrified areas most times return current path so could have upto 2KA running through it. I suppose if you were in the middle of the Nullabor desert or similar you may be OK but otherwise Don't do it even in jest.

Jon

To: ham-antennas@yahoogroups.com
From: wa9guu@charter.net
Date: Sat, 20 Aug 2011 22:20:52 -0500
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Has anyone ever loaded up railroad tracks???

----- Original Message -----

From: dean

To: ham-antennas@yahoogroups.com

Sent: Saturday, August 20, 2011 11:35 AM

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Thanks

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 8:07 AM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1

Guanella current balun. The wire is not wrapped on PVC but it is 10MM

ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap

of regular electrical tape at the ends to hold the Teflon in place while the

magnet wire is wrapped. The dual windings are spaced .025 with monofilament

fishing line then the assembly is has a light coat of quick drying epoxy to

hold it in place. The completed balun was then tweaked to a center frequency

of 10-MHz to give good coverage from 75M thru 10M. The next evolution of

this type is a indoor balun on 1/2” or 13MM ferrite rods to feed my 450 ohm

line and it is switchable between a 1:1 or a 4:1 balun setup. This can be

seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It

looks very nice. I do not have a balun on my antennas but I do have an RF

choke just below each antenna. About 6 to 8 turns of coax about 10” in

diameter.

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 5:36 AM

To: mailto:ham-antennas%40yahoogroups.com

<mailto:ham-antennas%40yahoogroups.com>

Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100

with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to

stop rust and corrosion.

http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if

I

can make a few suggestions. First tin the wire ends that connect to the

balun, waterproof the balun, and then waterproof the waterproofing. This

is

especially true here in the UK. lower antenna every year for maintenance.

It

is amazing the difference in SWR before and after. things deteriorate so

gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV

proof that will also have points to take strain of the antenna wire. I use

plastic guttering, if gently heated with hot air gun it becomes pliable

and

then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be

cause

for suspension. Moderators WILL have final say in these matters.

Post message: mailto:ham-antennas%40yahoogroups.com

Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com

Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com

List owner: mailto:ham-antennas-owner%40yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be
cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

19357. Re: [ham-antennas] Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 13:21:28 UTC
From: Joe
Topic: 19323 Message: 19357

I have had a 600 foot Loop up at 45 feet for two years now.

it is electric fence al wire.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 8/20/2011 10:19 PM, Larry Tooley wrote:
> Aluminum sounds great. It's cheap easy to bend and lightweight. I wounder
> if a dipole blowing in the wind would break?
>
> ----- Original Message -----
> From: Richard Schmuke
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, August 20, 2011 5:00 PM
> Subject: RE: [ham-antennas] Cost of Aluminium wire
>
>
>
> I tried some MIG alum welding wire years ago but it did not seem to hold
> up
> in the weather, it got brittle.
>
> Rich
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of jo barden
> Sent: Saturday, August 20, 2011 4:25 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Cost of Aluminium wire
>
> Just checked out price of 400m of 2.5mm Aluminium wire at electric fence
> website works out at £84 ($138) including taxes but not delivery. Cheaper
> option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm
> enamelled copper wire doesn't seem so bad now!
>
> I must admit I am tending to use a lot of cat 5e now days, not
> prohibitively
> expensive, and providing not under too much tension works well. Saying
> that
> I am only running 100W, I will hopefully finish my large loop 500ft approx

> but only 5ft high soon so see how that goes.
>
> Jon
>
> G6UWK
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19358. RE: [ham-antennas] Cost of Aluminum wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 14:58:29 UTC
From: Richard Schmuke
Topic: 19323 Message: 19358

Joe, I agree with you 100% , I have had a 15M alum antenna up in the air at different locations and the first installation was about 1980, in storage for a 7 year term and now back up , that makes it 24 years in the elements. The only problem was a resetting of the gama match last week, the point of resonance moved. Was it 24 years of corrosion??. Alum fence wire and 6061 tubing for antennas will hold up. I also have a 2m yagi I made with alum tubing and welding rod tips in use at a friends house, weather does not bother it except for the tree limbs during a storm. It was made with 1/4inch tubing, 10☐ long for center section and then tapped for 10-32 and heliarc rod threaded to fit the tubing. The ☐3/16 alum heli rods come in 36☐ lengths, a little short for a 2M beam so I incorporated a ☐1/4☐ center section Alum will hold up outdoors.

My statement was that the type 4043 mig welding wire I used was a disappointment for me. If I was going to buy some alum wire today I would use fence wire not type 4043 welding wire.

Rich , Kd0zz

Subject: Re: [ham-antennas] Cost of Aluminium wire

I have had a 600 foot Loop up at 45 feet for two years now.

it is electric fence al wire.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 8/20/2011 10:19 PM, Larry Tooley wrote:
> Aluminum sounds great. It's cheap easy to bend and lightweight. I wounder
> if a dipole blowing in the wind would break?
>
> ----- Original Message -----
> From: Richard Schmuke
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Saturday, August 20, 2011 5:00 PM
> Subject: RE: [ham-antennas] Cost of Aluminium wire
>
>
>
> I tried some MIG alum welding wire years ago but it did not seem to hold
> up
> in the weather, it got brittle.

>
> Rich
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
]
> On
> Behalf Of jo barden
> Sent: Saturday, August 20, 2011 4:25 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Cost of Aluminium wire
>
> Just checked out price of 400m of 2.5mm Aluminium wire at electric fence
> website works out at £84 ($138) including taxes but not delivery. Cheaper
> option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm
> enamelled copper wire doesn't seem so bad now!
>
> I must admit I am tending to use a lot of cat 5e now days, not
> prohibitively
> expensive, and providing not under too much tension works well. Saying
> that
> I am only running 100W, I will hopefully finish my large loop 500ft approx
> but only 5ft high soon so see how that goes.
>
> Jon
>
> G6UWK
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com

<mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19359. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 15:02:11 UTC
From: Andy
Topic: 19323 Message: 19359

> Has anyone ever loaded up railroad tracks???

When you first asked this, I figured you meant abandoned tracks, of which there are plenty around here. Never considered live tracks. In a conflict with a moving train, the train usually wins.

Yes, I've heard of people loading up abandoned tracks. Even on VHF. One would think the low proximity (and possible ground wires at regular intervals, which I think I've seen on some tracks) might make it ineffective, but maybe not. Then again, you don't hear about people doing this a lot, so I'm guessing it is fun but not as good as a "real" antenna. And you might not want to use very much power, in case some kid half a mile down the tracks gets zapped by you.

This is really worthy of a different subject since it's not really about wire size anymore.

Andy

19360. Re: Cost of Aluminum wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 15:45:22 UTC
From: fred
Topic: 19323 Message: 19360

I had to replace my copper wire dipole in 2003 . after looking at the cost of copper wire I decided on 1/16" galvanize lift cable . has been up since december 03 and have not had any problems with it . still looks like the day it was put up . no rust or corrosion .
it is readily available in the USA at most any hardware or home improvement centre , don't know about across the pond . cost at that time was .06/ft . it is also a dull gray colour and if it was not for the end ropes it would be almost invisible .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> Joe, I agree with you 100% , I have had a 15M alum antenna up in the air at
> different locations and the first installation was about 1980, in storage
> for a 7 year term and now back up , that makes it 24 years in the elements.
> The only problem was a resetting of the gama match last week, the point of
> resonance moved. Was it 24 years of corrosion??. Alum fence wire and 6061
> tubing for antennas will hold up. I also have a 2m yagi I made with alum
> tubing and welding rod tips in use at a friends house, weather does not
> bother it except for the tree limbs during a storm. It was made with 1/4inch
> tubing, 10" long for center section and then tapped for 10-32 and heliarc
> rod threaded to fit the tubing. The `3/16 alum heli rods come in 36"
> lengths, a little short for a 2M beam so I incorporated a `1/4" center
> section Alum will hold up outdoors.
>
> My statement was that the type 4043 mig welding wire I used was a
> disappointment for me. If I was going to buy some alum wire today I would
> use fence wire not type 4043 welding wire.
>
> Rich , Kd0zz
>
>
>
> Subject: Re: [ham-antennas] Cost of Aluminium wire
>
>
>
>
>
>
> I have had a 600 foot Loop up at 45 feet for two years now.
>
> it is electric fence al wire.
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock

> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 8/20/2011 10:19 PM, Larry Tooley wrote:
> > Aluminum sounds great. It's cheap easy to bend and lightweight. I wounder
> > if a dipole blowing in the wind would break?
> >
> > ----- Original Message -----
> > From: Richard Schmuke
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Saturday, August 20, 2011 5:00 PM
> > Subject: RE: [ham-antennas] Cost of Aluminium wire
> >
> >
> >
> > I tried some MIG alum welding wire years ago but it did not seem to hold
> > up
> > in the weather, it got brittle.
> >
> > Rich
> >
> > From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>]
> > On
> > Behalf Of jo barden
> > Sent: Saturday, August 20, 2011 4:25 PM
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Subject: [ham-antennas] Cost of Aluminium wire
> >
> > Just checked out price of 400m of 2.5mm Aluminium wire at electric fence
> > website works out at £84 ($138) including taxes but not delivery. Cheaper
> > option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm
> > enamelled copper wire doesn't seem so bad now!
> >
> > I must admit I am tending to use a lot of cat 5e now days, not
> > prohibitively
> > expensive, and providing not under too much tension works well. Saying
> > that
> > I am only running 100W, I will hopefully finish my large loop 500ft approx
> > but only 5ft high soon so see how that goes.
> >
> > Jon
> >
> > G6UWK
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]

> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19361. Re: [ham-antennas] Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 15:51:22 UTC
From: Ron Youvan
Topic: 19323 Message: 19361

Larry Tooley wrote:

> Aluminum sounds great. It's cheap easy to bend and lightweight. I wounder
> if a dipole blowing in the wind would break?

It depends on weather or not is is strung tightly or supported by a weight VIA pulley.
I doubt if it will outlast copper wire, remember you can't solder to it so use split bolts and Anti-Ox.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19362. Antenna Wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 16:34:41 UTC
From: RobertR
Topic: 8441 Message: 19362

I know there are going to be a number of negative comments but I just wanted to mention one of the strongest wires around. We used to call it Tanglefoot, or Trip Wire. It can be bought at Army/Navy surplus stores and online for between 2 and 7 dollars. It is 4 lengths of 38 foot 28 guage steel camouflaged wire which makes 152 feet in length. Steel isn't the best RF conductor, but I still find it strung as tanglefoot in the Army Training areas at Camp Shelby Mississippi. That makes it between 20 and 40 years old.

Don
KA5DON

19363. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 17:09:21 UTC
From: dean
Topic: 19323 Message: 19363

How high would you have to put it to have decent propagation?

73, WY6L

From: Larry Tooley
Sent: Sunday, August 21, 2011 1:39 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Advice well taken. It's not mine to use is it? Maybe an abandoned track
would work. Just dreaming.

----- Original Message -----
From: dean
To: mailto:ham-antennas%40yahoogroups.com
Sent: Sunday, August 21, 2011 12:34 AM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

I had some friends who used jumper cables across tracks close to a RR
crossing. It would drop the arms then when they took the cables off the
arm
would go back up after a short bit. Like a train coming and going. They
got the idea from our Electronics teacher.

73, WY6L

-----Original Message-----
From: jo barden
Sent: Saturday, August 20, 2011 10:21 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Don't do it!!! as ex railwayman it is something I actually know about.
signalling uses upto 600 volts DC/AC at various frequencies between rails,
in electrified areas most times return current path so could have upto 2KA
running through it. I suppose if you were in the middle of the Nullabor
desert or similar you may be OK but otherwise Don't do it even in jest.

Jon

To: mailto:ham-antennas%40yahoogroups.com
From: mailto:wa9guu%40charter.net
Date: Sat, 20 Aug 2011 22:20:52 -0500
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Has anyone ever loaded up railroad tracks???

----- Original Message -----

From: dean

To: mailto:ham-antennas%40yahoogroups.com

Sent: Saturday, August 20, 2011 11:35 AM

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Thanks

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 8:07 AM

To: mailto:ham-antennas%40yahoogroups.com

Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1

Guanella current balun. The wire is not wrapped on PVC but it is 10MM

ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap

of regular electrical tape at the ends to hold the Teflon in place while the

magnet wire is wrapped. The dual windings are spaced .025 with monofilament

fishing line then the assembly is has a light coat of quick drying epoxy to

hold it in place. The completed balun was then tweaked to a center frequency

of 10-MHz to give good coverage from 75M thru 10M. The next evolution of

this type is a indoor balun on 1/2” or 13MM ferrite rods to feed my 450 ohm

line and it is switchable between a 1:1 or a 4:1 balun setup. This can be

seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It

looks very nice. I do not have a balun on my antennas but I do have an RF

choke just below each antenna. About 6 to 8 turns of coax about 10” in

diameter.

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 5:36 AM

To: mailto:ham-antennas%40yahoogroups.com

<mailto:ham-antennas%40yahoogroups.com>

Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100

with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to

stop rust and corrosion.

http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if

I

can make a few suggestions. First tin the wire ends that connect to the

balun, waterproof the balun, and then waterproof the waterproofing. This

is

especially true here in the UK. lower antenna every year for maintenance.

It

is amazing the difference in SWR before and after. things deteriorate so

gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV

proof that will also have points to take strain of the antenna wire. I use

plastic guttering, if gently heated with hot air gun it becomes pliable

and

then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be

cause

for suspension. Moderators WILL have final say in these matters.

Post message: mailto:ham-antennas%40yahoogroups.com

Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com

Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com

List owner: mailto:ham-antennas-owner%40yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be
cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19364. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 17:24:57 UTC
From: Larry Banks
Topic: 19323 Message: 19364

On top of a 5000' mountain???

73 -- Larry -- W1DYJ

----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 21, 2011 1:09 PM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

How high would you have to put it to have decent propagation?

73, WY6L

From: Larry Tooley
Sent: Sunday, August 21, 2011 1:39 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Advice well taken. It's not mine to use is it? Maybe an abandoned track
would work. Just dreaming.

----- Original Message -----
From: dean
To: mailto:ham-antennas%40yahoogroups.com
Sent: Sunday, August 21, 2011 12:34 AM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

I had some friends who used jumper cables across tracks close to a RR
crossing. It would drop the arms then when they took the cables off the
arm
would go back up after a short bit. Like a train coming and going. They
got the idea from our Electronics teacher.

73, WY6L

-----Original Message-----
From: jo barden
Sent: Saturday, August 20, 2011 10:21 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Don't do it!!! as ex railwayman it is something I actually know about.
signalling uses upto 600 volts DC/AC at various frequencies between rails,
in electrified areas most times return current path so could have upto 2KA
running through it. I suppose if you were in the middle of the Nullabor
desert or similar you may be OK but otherwise Don't do it even in jest.

Jon

To: mailto:ham-antennas%40yahoogroups.com
From: mailto:wa9guu%40charter.net
Date: Sat, 20 Aug 2011 22:20:52 -0500
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Has anyone ever loaded up railroad tracks???

----- Original Message -----

From: dean

To: mailto:ham-antennas%40yahoogroups.com

Sent: Saturday, August 20, 2011 11:35 AM

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Thanks

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 8:07 AM

To: mailto:ham-antennas%40yahoogroups.com

Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1

Guanella current balun. The wire is not wrapped on PVC but it is 10MM

ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap

of regular electrical tape at the ends to hold the Teflon in place while the

magnet wire is wrapped. The dual windings are spaced .025 with monofilament

fishing line then the assembly is has a light coat of quick drying epoxy to

hold it in place. The completed balun was then tweaked to a center frequency

of 10-MHz to give good coverage from 75M thru 10M. The next evolution of

this type is a indoor balun on 1/2” or 13MM ferrite rods to feed my 450 ohm

line and it is switchable between a 1:1 or a 4:1 balun setup. This can be

seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It looks very nice. I do not have a balun on my antennas but I do have an RF choke just below each antenna. About 6 to 8 turns of coax about 10” in diameter.

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 5:36 AM

To: mailto:ham-antennas%40yahoogroups.com

<mailto:ham-antennas%40yahoogroups.com>

Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100 with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to stop rust and corrosion.

http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if I

can make a few suggestions. First tin the wire ends that connect to the balun, waterproof the balun, and then waterproof the waterproofing. This is

especially true here in the UK. lower antenna every year for maintenance. It

is amazing the difference in SWR before and after. things deteriorate so gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV proof that will also have points to take strain of the antenna wire. I use

plastic guttering, if gently heated with hot air gun it becomes pliable

and

then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be

cause

for suspension. Moderators WILL have final say in these matters.

Post message: mailto:ham-antennas%40yahoogroups.com

Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com

Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com

List owner: mailto:ham-antennas-owner%40yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19365. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 17:34:00 UTC
From: dean
Topic: 19323 Message: 19365

There is a ham somewhat close to me, 50 miles or so who will not talk to me again. I have a good signal into the Turlock repeater here in California. He asked me how high my antenna was and I told him it was 2270 feet in the air. He was flabbergasted that I had an antenna that high. I told him it took me a week to raise it and then someone asked how high was the base of my antenna and I said 2250 Ft. He gave his call sign and I never heard him again. So funny.

I have a straight shot to Turlock’s repeater.

Some people have no sense of humor.

73, WY6L

From: Larry Banks
Sent: Sunday, August 21, 2011 10:24 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

On top of a 5000' mountain???

73 -- Larry -- W1DYJ

----- Original Message -----
From: dean
To: mailto:ham-antennas%40yahoogroups.com
Sent: Sunday, August 21, 2011 1:09 PM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

How high would you have to put it to have decent propagation?

73, WY6L

From: Larry Tooley
Sent: Sunday, August 21, 2011 1:39 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Advice well taken. It's not mine to use is it? Maybe an abandoned track
would work. Just dreaming.

----- Original Message -----
From: dean
To: mailto:ham-antennas%40yahoogroups.com
Sent: Sunday, August 21, 2011 12:34 AM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

I had some friends who used jumper cables across tracks close to a RR
crossing. It would drop the arms then when they took the cables off the

arm
would go back up after a short bit. Like a train coming and going. They
got the idea from our Electronics teacher.

73, WY6L

-----Original Message-----
From: jo barden
Sent: Saturday, August 20, 2011 10:21 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Don't do it!!! as ex railwayman it is something I actually know about.
signalling uses upto 600 volts DC/AC at various frequencies between rails,
in electrified areas most times return current path so could have upto 2KA
running through it. I suppose if you were in the middle of the Nullabor
desert or similar you may be OK but otherwise Don't do it even in jest.

Jon

To: mailto:ham-antennas%40yahoogroups.com
From: mailto:wa9guu%40charter.net
Date: Sat, 20 Aug 2011 22:20:52 -0500
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Has anyone ever loaded up railroad tracks???

----- Original Message -----

From: dean

To: mailto:ham-antennas%40yahoogroups.com

Sent: Saturday, August 20, 2011 11:35 AM

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

Thanks

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 8:07 AM

To: mailto:ham-antennas%40yahoogroups.com

Subject: RE: [ham-antennas] Thickness of HF wire antenna's

Dean, that picture is showing two 1:1 baluns wired together to form a 4:1

Guanella current balun. The wire is not wrapped on PVC but it is 10MM

ferrite rods wrapped with a couple of layers of Teflon pipe tape and a
wrap

of regular electrical tape at the ends to hold the Teflon in place while the

magnet wire is wrapped. The dual windings are spaced .025 with monofilament

fishing line then the assembly is has a light coat of quick drying epoxy to

hold it in place. The completed balun was then tweaked to a center frequency

of 10-MHz to give good coverage from 75M thru 10M. The next evolution of

this type is a indoor balun on 1/2” or 13MM ferrite rods to feed my 450 ohm

line and it is switchable between a 1:1 or a 4:1 balun setup. This can be

seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

Subject: Re: [ham-antennas] Thickness of HF wire antenna's

What is the diameter of the pvc the copper wires are wrapped around. It

looks very nice. I do not have a balun on my antennas but I do have an RF

choke just below each antenna. About 6 to 8 turns of coax about 10” in

diameter.

73, WY6L

From: Richard Schmuke

Sent: Saturday, August 20, 2011 5:36 AM

To: mailto:ham-antennas%40yahoogroups.com

<mailto:ham-antennas%40yahoogroups.com>

Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's

For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100

with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to

stop rust and corrosion.

http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

Rich , Kd0zz

My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if

I

can make a few suggestions. First tin the wire ends that connect to the

balun, waterproof the balun, and then waterproof the waterproofing. This

is

especially true here in the UK. lower antenna every year for maintenance.

It

is amazing the difference in SWR before and after. things deteriorate so

gradually you do not notice.

Unless the balun is very mechanically well built mount it on something UV

proof that will also have points to take strain of the antenna wire. I use

plastic guttering, if gently heated with hot air gun it becomes pliable

and

then flatten between heavy books etc. just drill out and away you go.

Have fun and hope to catch you on the bands

Jon

G6UWK

>

> Goodmorning,

> I am about to errect a Windom antenna, and would like to make it out of

> thin wire,so as not create too much loading on the supports,

> What are conciderations I should take nto place

> Thanks Ross

>

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be

cause

for suspension. Moderators WILL have final say in these matters.

Post message: mailto:ham-antennas%40yahoogroups.com

Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com

Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com

List owner: mailto:ham-antennas-owner%40yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be
cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19366. Re: [ham-antennas] Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 17:38:15 UTC
From: goldtr8@charter.net
Topic: 19323 Message: 19366

Joe how well does it work for you?

~73
Don
KD8NNU

On Sun, Aug 21, 2011 at 9:21 AM, Joe wrote:

I have had a 600 foot Loop up at 45 feet for two years now.

it is electric fence al wire.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com <http://www.idle-tyme.com>

On 8/20/2011 10:19 PM, Larry Tooley wrote:
> Aluminum sounds great. It's cheap easy to bend and lightweight. I
> wounder if a dipole blowing in the wind would break?
> ----- Original Message ----- From: Richard Schmuke To:
> ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> Sent: Saturday, August 20, 2011 5:00 PM Subject: RE: [ham-antennas]
> Cost of Aluminium wire
>
>
> I tried some MIG alum welding wire years ago but it did not seem to
> hold up in the weather, it got brittle.
> Rich
> From: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> [mailto: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>] On Behalf Of jo barden Sent: Saturday, August 20, 2011 4:25 PM
> To: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> Subject: [ham-antennas] Cost of Aluminium wire
> Just checked out price of 400m of 2.5mm Aluminium wire at electric
> fence website works out at £84 ($138) including taxes but not
> delivery. Cheaper option would be Aluminium MIG/MAG welding wire,
> my £8 for 1lb of 1.5mm enamelled copper wire doesn't seem so bad
> now!
> I must admit I am tending to use a lot of cat 5e now days, not
> prohibitively expensive, and providing not under too much tension

> works well. Saying that I am only running 100W, I will hopefully
> finish my large loop 500ft approx but only 5ft high soon so see how
> that goes.
> Jon
> G6UWK
> [Non-text portions of this message have been removed]
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
> ------------------------------------
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> Subscribe: ham-antennas-subscribe@...m
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-subscribe@yahoogroups.com')>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-unsubscribe@yahoogroups.com')>
> List owner: ham-antennas-owner@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoogroups.com')>
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

19367. Re: [ham-antennas] Cost of Aluminium wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 17:55:42 UTC
From: Joe
Topic: 19323 Message: 19367

I'm actually amazed as how well it does work.

It's fed with 300 ohm TV Twin lead to just before it enters the house
where a W2AU 4 to 1 balun is located which changes it to about 5 feet of
58 coax into a home brew tiner.

Rig 100 watt TS-430S
I'm happy with it. seems like almost any DX is one or two calls and I
got em. I'm actually having better luck with this thing than I did with
a 3 ele tribander at 60 feet.

Joe WB9SBD
Total Cost?

Free.

left over wire from a neighbor farmer.

ropes through trees,,, bailing twine. Only had to re string one in two
years. supoorts tall pine trees.

so the only cost was time everything else was either free or junk box
leftovers

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 8/21/2011 12:38 PM, goldtr8@... wrote:
> Joe how well does it work for you?
>
> ~73
> Don
> KD8NNU
>
> On Sun, Aug 21, 2011 at 9:21 AM, Joe wrote:
>
> I have had a 600 foot Loop up at 45 feet for two years now.
>
> it is electric fence al wire.
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com

> http://www.idle-tyme.com<http://www.idle-tyme.com>
>
> On 8/20/2011 10:19 PM, Larry Tooley wrote:
>> Aluminum sounds great. It's cheap easy to bend and lightweight. I
>> wounder if a dipole blowing in the wind would break?
>> ----- Original Message ----- From: Richard Schmuke To:
>> ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>> Sent: Saturday, August 20, 2011 5:00 PM Subject: RE: [ham-antennas]
>> Cost of Aluminium wire
>>
>>
>> I tried some MIG alum welding wire years ago but it did not seem to
>> hold up in the weather, it got brittle.
>> Rich
>> From: ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>> [mailto: ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>>] On Behalf Of jo barden Sent: Saturday, August 20, 2011 4:25 PM
>> To: ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>> Subject: [ham-antennas] Cost of Aluminium wire
>> Just checked out price of 400m of 2.5mm Aluminium wire at electric
>> fence website works out at £84 ($138) including taxes but not
>> delivery. Cheaper option would be Aluminium MIG/MAG welding wire,
>> my £8 for 1lb of 1.5mm enamelled copper wire doesn't seem so bad
>> now!
>> I must admit I am tending to use a lot of cat 5e now days, not
>> prohibitively expensive, and providing not under too much tension
>> works well. Saying that I am only running 100W, I will hopefully
>> finish my large loop 500ft approx but only 5ft high soon so see how
>> that goes.
>> Jon
>> G6UWK
>> [Non-text portions of this message have been removed]
>> [Non-text portions of this message have been removed]
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>>
>> ------------------------------------
>> HAM ANTENNAS Anything and everything, tell us or ask questions.
>> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
>> NOT permitted. Any statements in ANY post that may be construed as
>> inflamatory MAY be cause for suspension. Moderators WILL have final

>> say in these matters. Post message: ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@...m')>
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas-subscribe@yahoogroups.com')>
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>
<javascript:parent.wgMail.openComposeWindow('ham-antennas-unsubscribe@yahoogroups.com')>
>> List owner: ham-antennas-owner@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoogroups.com')>
>> Yahoo! Groups Links
>>
>>
>>
>>
> [Non-text portions of this message have been removed]
>
>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoogroups.com')>
> <http://docs.yahoo.com/info/terms/>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19368. Re: [ham-antennas] Antenna Wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 23:19:37 UTC
From: Larry Tooley
Topic: 8441 Message: 19368

I've seen it pretty cheap. Think I'll buy some! Thanks.

----- Original Message -----
From: RobertR
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 21, 2011 11:34 AM
Subject: [ham-antennas] Antenna Wire

I know there are going to be a number of negative comments but I just
wanted to mention one of the strongest wires around. We used to call it
Tanglefoot, or Trip Wire. It can be bought at Army/Navy surplus stores and
online for between 2 and 7 dollars. It is 4 lengths of 38 foot 28 guage
steel camouflaged wire which makes 152 feet in length. Steel isn't the best
RF conductor, but I still find it strung as tanglefoot in the Army Training
areas at Camp Shelby Mississippi. That makes it between 20 and 40 years old.

Don
KA5DON

[Non-text portions of this message have been removed]

19369. Re: [ham-antennas] Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 23:24:58 UTC
From: Larry Tooley
Topic: 19323 Message: 19369

Quite true. I remember the ARRL Handbook saying a long wire becomes more directional off the end as the wavelengths get longer. No I don't want to mess up the electronics on the rail lines. I agree it may work but as stated, it is much better to real antenna.

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 21, 2011 10:02 AM
Subject: Re: [ham-antennas] Thickness of HF wire antenna's

> Has anyone ever loaded up railroad tracks???

When you first asked this, I figured you meant abandoned tracks, of which there are plenty around here. Never considered live tracks. In a conflict with a moving train, the train usually wins.

Yes, I've heard of people loading up abandoned tracks. Even on VHF. One would think the low proximity (and possible ground wires at regular intervals, which I think I've seen on some tracks) might make it ineffective, but maybe not. Then again, you don't hear about people doing this a lot, so I'm guessing it is fun but not as good as a "real" antenna. And you might not want to use very much power, in case some kid half a mile down the tracks gets zapped by you.

This is really worthy of a different subject since it's not really about wire size anymore.

Andy

[Non-text portions of this message have been removed]

19370. Can anyone explain this result?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-22 13:58:01 UTC
From: scollaysquarewriter
Topic: 19370 Message: 19370

See the leaves starting to turn, and putting the final touches on my 160 vertical (http://www.bambinomusical.com/WB2HTO/Vertical.html)

Readings at the base of the antenna look like this, with an SWR and X minimum at my target f in the CW protion of the band, with a 1' piece of RG8X between the antenna and the MFJ259B:

SWR R X
1.770 1.9 38 27
1.780 1.8 37 24
1.790 1.7 36 19
1.800 1.6 35 15
1.810 1.5 35 11
1.820 1.4 35 5
1.830 1.4 35 4
1.840 1.4 35 7
1.850 1.5 35 10
1.860 1.6 36 14
1.870 1.7 37 19
1.880 1.8 36 25
1.890 1.9 37 29
1.900 2.1 36 37
1.910 2.2 36 39
1.920 2.4 35 45

But look at what happens when I take another set of measurements in the shack, which has about 12' - 15' of RG-8X coming from the base, under the porch and through the foundation into the shack, which is in the basement:

SWR R X
1.770 1.9 28 14
1.780 1.8 30 11
1.790 1.6 31 9
1.800 1.5 33 7
1.810 1.5 33 6
1.820 1.4 36 6
1.830 1.3 39 10
1.840 1.3 43 13
1.850 1.4 46 17
1.860 1.5 51 21
1.870 1.6 58 26
1.880 1.8 64 31
1.890 1.8 69 34
1.900 2 77 39
1.910 2.2 87 42
1.920 2.4 95 46

SWR and X are only slightly different, and both look good, right? But look what happened to R, it went from being flat to a low of 28 to a high of 95 (and that's not even the top of the band, yet.) Assuming that I know how to install PL-259 connectors and the coax is good....

- Was my base measurement faulty?
- Is the MFJ259B not accurate on 160?
- Should I care at all, since SWR and X are good?

Your thoughts?

David
WB2HTO

19371. Re: Antenna Wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-22 15:03:58 UTC
From: AB2ZY
Topic: 8441 Message: 19371

My original reply must have been eaten...

When I was a teen, someone gave me an AN/CRT-3 transmitter - a survival transmitter used by the military and civilians from WWII through the 1960's. It was also known as a "Gibson Girl" transmitter.

The antenna was a long wire hoisted with either a kite or hydrogen baloon, both of which were included in the kit.

The antenna wire was some of the neatest stuff I'd ever seen. It was a copper braid wound over a nylon core. At maybe 20 AWG, it was extremely strong and nearly invisible. The stuff was impossible to solder as the nylon would melt on the attempt.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "RobertR" <drand@...> wrote:
>
> I know there are going to be a number of negative comments but I just wanted to mention one of the strongest wires around. We used to call it Tanglefoot, or Trip Wire. It can be bought at Army/Navy surplus stores and online for between 2 and 7 dollars. It is 4 lengths of 38 foot 28 guage steel camouflaged wire which makes 152 feet in length. Steel isn't the best RF conductor, but I still find it strung as tanglefoot in the Army Training areas at Camp Shelby Mississippi. That makes it between 20 and 40 years old.
>
> Don
> KA5DON
>

19372. Re: Can anyone explain this result?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-22 15:10:34 UTC
From: AB2ZY
Topic: 19370 Message: 19372

Any transmission line with a non-unity SWR, i.e. not 1:1, will act as an impedance transformer. The feedline length determines and SWR the amount of transformation. A half wavelength, or multiple thereof, will accurately mirror the complex impedance at the base of your antenna, but obviously only at one frequency.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "scollaysquarewriter" <WB2HTO@...> wrote:
>
> See the leaves starting to turn, and putting the final touches on my 160 vertical (http://www.bambinomusical.com/WB2HTO/Vertical.html)
>
> Readings at the base of the antenna look like this, with an SWR and X minimum at my target f in the CW protion of the band, with a 1' piece of RG8X between the antenna and the MFJ259B:
>
> SWR R X
> 1.770 1.9 38 27
> 1.780 1.8 37 24
> 1.790 1.7 36 19
> 1.800 1.6 35 15
> 1.810 1.5 35 11
> 1.820 1.4 35 5
> 1.830 1.4 35 4
> 1.840 1.4 35 7
> 1.850 1.5 35 10
> 1.860 1.6 36 14
> 1.870 1.7 37 19
> 1.880 1.8 36 25
> 1.890 1.9 37 29
> 1.900 2.1 36 37
> 1.910 2.2 36 39
> 1.920 2.4 35 45
>
>
> But look at what happens when I take another set of measurements in the shack, which has about 12' - 15' of RG-8X coming from the base, under the porch and through the foundation into the shack, which is in the basement:
>
>
> SWR R X
> 1.770 1.9 28 14
> 1.780 1.8 30 11
> 1.790 1.6 31 9

> 1.800 1.5 33 7
> 1.810 1.5 33 6
> 1.820 1.4 36 6
> 1.830 1.3 39 10
> 1.840 1.3 43 13
> 1.850 1.4 46 17
> 1.860 1.5 51 21
> 1.870 1.6 58 26
> 1.880 1.8 64 31
> 1.890 1.8 69 34
> 1.900 2 77 39
> 1.910 2.2 87 42
> 1.920 2.4 95 46
>
>
> SWR and X are only slightly different, and both look good, right? But look what happened to R, it went from being flat to a low of 28 to a high of 95 (and that's not even the top of the band, yet.) Assuming that I know how to install PL-259 connectors and the coax is good....
>
> - Was my base measurement faulty?
> - Is the MFJ259B not accurate on 160?
> - Should I care at all, since SWR and X are good?
>
> Your thoughts?
>
> David
> WB2HTO
>

19373. Re: [ham-antennas] Re: Can anyone explain this result?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-22 15:12:33 UTC
From: Joe
Topic: 19370 Message: 19373

WOW!

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 8/22/2011 10:10 AM, AB2ZY wrote:
> Any transmission line with a non-unity SWR, i.e. not 1:1, will act as an impedance transformer. The feedline length determines and SWR the amount of transformation. A half wavelength, or multiple thereof, will accurately mirror the complex impedance at the base of your antenna, but obviously only at one frequency.
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com, "scollaysquarewriter"<WB2HTO@...> wrote:
>> See the leaves starting to turn, and putting the final touches on my 160 vertical (http://www.bambinomusical.com/WB2HTO/Vertical.html)
>>
>> Readings at the base of the antenna look like this, with an SWR and X minimum at my target f in the CW protion of the band, with a 1' piece of RG8X between the antenna and the MFJ259B:
>>
>> SWR R X
>> 1.770 1.9 38 27
>> 1.780 1.8 37 24
>> 1.790 1.7 36 19
>> 1.800 1.6 35 15
>> 1.810 1.5 35 11
>> 1.820 1.4 35 5
>> 1.830 1.4 35 4
>> 1.840 1.4 35 7
>> 1.850 1.5 35 10
>> 1.860 1.6 36 14
>> 1.870 1.7 37 19
>> 1.880 1.8 36 25
>> 1.890 1.9 37 29
>> 1.900 2.1 36 37
>> 1.910 2.2 36 39
>> 1.920 2.4 35 45
>>
>>
>> But look at what happens when I take another set of measurements in the shack, which has about 12' - 15' of RG-8X coming from the base, under the porch and through the foundation

into the shack, which is in the basement:
>>
>>
>> SWR R X
>> 1.770 1.9 28 14
>> 1.780 1.8 30 11
>> 1.790 1.6 31 9
>> 1.800 1.5 33 7
>> 1.810 1.5 33 6
>> 1.820 1.4 36 6
>> 1.830 1.3 39 10
>> 1.840 1.3 43 13
>> 1.850 1.4 46 17
>> 1.860 1.5 51 21
>> 1.870 1.6 58 26
>> 1.880 1.8 64 31
>> 1.890 1.8 69 34
>> 1.900 2 77 39
>> 1.910 2.2 87 42
>> 1.920 2.4 95 46
>>
>>
>> SWR and X are only slightly different, and both look good, right? But look what happened to R, it went from being flat to a low of 28 to a high of 95 (and that's not even the top of the band, yet.) Assuming that I know how to install PL-259 connectors and the coax is good....
>>
>> - Was my base measurement faulty?
>> - Is the MFJ259B not accurate on 160?
>> - Should I care at all, since SWR and X are good?
>>
>> Your thoughts?
>>
>> David
>> WB2HTO
>>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

>
>
>

[Non-text portions of this message have been removed]

19374. AW: [ham-antennas] Cost of Aluminum wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-22 15:16:56 UTC
From: Siegfried Jackstien
Topic: 19323 Message: 19374

Yepp areeed ... i used both
Welding wire breaks after a a bent
Fence wire is much softer
Only problem is connections ..
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard Schmuke
> Gesendet: Sonntag, 21. August 2011 14:58
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Cost of Aluminum wire
>
>
>
> Joe, I agree with you 100% , I have had a 15M alum antenna up in the air
> at
> different locations and the first installation was about 1980, in storage
> for a 7 year term and now back up , that makes it 24 years in the
> elements.
> The only problem was a resetting of the gama match last week, the point of
> resonance moved. Was it 24 years of corrosion??. Alum fence wire and 6061
> tubing for antennas will hold up. I also have a 2m yagi I made with alum
> tubing and welding rod tips in use at a friends house, weather does not
> bother it except for the tree limbs during a storm. It was made with
> 1/4inch
> tubing, 10☐ long for center section and then tapped for 10-32 and heliarc
> rod threaded to fit the tubing. The ☐3/16 alum heli rods come in 36☐
> lengths, a little short for a 2M beam so I incorporated a ☐1/4☐ center
> section Alum will hold up outdoors.
>
> My statement was that the type 4043 mig welding wire I used was a
> disappointment for me. If I was going to buy some alum wire today I would
> use fence wire not type 4043 welding wire.
>
> Rich , Kd0zz
>
> Subject: Re: [ham-antennas] Cost of Aluminium wire
>
> I have had a 600 foot Loop up at 45 feet for two years now.
>
> it is electric fence al wire.
>

> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 8/20/2011 10:19 PM, Larry Tooley wrote:
> > Aluminum sounds great. It's cheap easy to bend and lightweight. I
> wounder
> > if a dipole blowing in the wind would break?
> >
> > ----- Original Message -----
> > From: Richard Schmuke
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Saturday, August 20, 2011 5:00 PM
> > Subject: RE: [ham-antennas] Cost of Aluminium wire
> >
> >
> >
> > I tried some MIG alum welding wire years ago but it did not seem to hold
> > up
> > in the weather, it got brittle.
> >
> > Rich
> >
> > From: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
>]
> > On
> > Behalf Of jo barden
> > Sent: Saturday, August 20, 2011 4:25 PM
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Subject: [ham-antennas] Cost of Aluminium wire
> >
> > Just checked out price of 400m of 2.5mm Aluminium wire at electric fence
> > website works out at £84 ($138) including taxes but not delivery.
> Cheaper
> > option would be Aluminium MIG/MAG welding wire, my £8 for 1lb of 1.5mm
> > enamelled copper wire doesn't seem so bad now!
> >
> > I must admit I am tending to use a lot of cat 5e now days, not
> > prohibitively
> > expensive, and providing not under too much tension works well. Saying
> > that

> > I am only running 100W, I will hopefully finish my large loop 500ft
> approx
> > but only 5ft high soon so see how that goes.
> >
> > Jon
> >
> > G6UWK
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ---
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com <mailto:ham-antennas-
> subscribe%40yahoogroups.com>
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com <mailto:ham-
> antennas-unsubscribe%40yahoogroups.com>
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@...m <mailto:ham-antennas-
> owner%40yahoogroups.com>
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>

> [Non-text portions of this message have been removed]
>
>
>
>

19375. Re: Antenna Wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-21 20:02:46 UTC
From: AB2ZY
Topic: 8441 Message: 19375

I had a brand new AN/CRT-3 transmitter someone gave me when I was a teenager. Commonly known as the "Gibson Girl" transmitter, it was a survival radio meant to be carried on aircraft and saw service from WWII through the 1960's.

The antenna was a long wire and was meant to be raised with either a kite or hydrogen balloon, both included with the kit.

At any rate, the wire was the most amazing stuff I had ever seen. It was a copper braid wound over a nylon core. It was maybe 20 AWG and was strong as hell. A bit of a challenge to solder as the nylon would melt - it was meant to use used with mechanical connectors. Strong, lightweight and nearly invisible - great stuff if you can find it.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "RobertR" <drand@...> wrote:
>
> I know there are going to be a number of negative comments but I just wanted to mention one of the strongest wires around. We used to call it Tanglefoot, or Trip Wire. It can be bought at Army/Navy surplus stores and online for between 2 and 7 dollars. It is 4 lengths of 38 foot 28 guage steel camouflaged wire which makes 152 feet in length. Steel isn't the best RF conductor, but I still find it strung as tanglefoot in the Army Training areas at Camp Shelby Mississippi. That makes it between 20 and 40 years old.
>
> Don
> KA5DON
>

19376. Re: [ham-antennas] Can anyone explain this result?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-22 15:40:26 UTC
From: James Irving
Topic: 19370 Message: 19376

Hi David...

I don't have much experience operating at 160m, but do check my antennas on that band. First... I often have problems because of broadcast stations in the area.... strange readings and sometimes the instrument just goes berserk and needs to be reset. If I try and listen on the band, it is a total overloaded mess unless I put my big tuner on line; the extra selectivity cuts the BCB overload and at least lets me hear. This is a recognized 160m problem, and MFJ used to sell a filter to eliminate BCB signal overload; they still may. Check the net, maybe you could make one. My qth is located in the suburbs of a metro area and there are many bc stations in the area.

The other time I've encountered strange readings with my antenna analyzer, the problem was cured by adding a choke balun on the cable between the meter and antenna. My choke was made from of a toroid core, but you could try winding some coax in a coil, or maybe around a paint can. It may not be the end solution, but should give you an indication of any rf coming back to the shack on the outside of the feedline.

Neither of those things may be a problem and the coax may just be giving you an impedance transformation.

Jim, K9JFK

From: scollaysquarewriter <WB2HTO@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, August 22, 2011 8:58 AM
Subject: [ham-antennas] Can anyone explain this result?

See the leaves starting to turn, and putting the final touches on my 160 vertical (http://www.bambinomusical.com/WB2HTO/Vertical.html)

Readings at the base of the antenna look like this, with an SWR and X minimum at my target f in the CW protion of the band, with a 1' piece of RG8X between the antenna and the MFJ259B:

SWR R X
1.770 1.9 38 27
1.780 1.8 37 24
1.790 1.7 36 19
1.800 1.6 35 15
1.810 1.5 35 11
1.820 1.4 35 5
1.830 1.4 35 4
1.840 1.4 35 7
1.850 1.5 35 10
1.860 1.6 36 14
1.870 1.7 37 19

1.880 1.8 36 25
1.890 1.9 37 29
1.900 2.1 36 37
1.910 2.2 36 39
1.920 2.4 35 45

But look at what happens when I take another set of measurements in the shack, which has about 12' - 15' of RG-8X coming from the base, under the porch and through the foundation into the shack, which is in the basement:

SWR R X
1.770 1.9 28 14
1.780 1.8 30 11
1.790 1.6 31 9
1.800 1.5 33 7
1.810 1.5 33 6
1.820 1.4 36 6
1.830 1.3 39 10
1.840 1.3 43 13
1.850 1.4 46 17
1.860 1.5 51 21
1.870 1.6 58 26
1.880 1.8 64 31
1.890 1.8 69 34
1.900 2 77 39
1.910 2.2 87 42
1.920 2.4 95 46

SWR and X are only slightly different, and both look good, right? But look what happened to R, it went from being flat to a low of 28 to a high of 95 (and that's not even the top of the band, yet.) Assuming that I know how to install PL-259 connectors and the coax is good....

- Was my base measurement faulty?
- Is the MFJ259B not accurate on 160?
- Should I care at all, since SWR and X are good?

Your thoughts?

David
WB2HTO

[Non-text portions of this message have been removed]

19377. Re: [ham-antennas] Can anyone explain this result?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-22 17:33:09 UTC
From: Andy
Topic: 19370 Message: 19377

The length of coax does a complex impedance transformation. On a Smith chart it is a rotation part-way around the chart. It can profoundly alter both R and X. A larger R does NOT mean you made a bad solder connection anywhere, nor that anything is wrong.

On one side of the Smith chart, the R values are smaller. On the other side they are larger, even though the SWR is the same (or a little less). Rotating around the Smith chart, with a constant radius, can move you from the small-R region into the large-R region, as a function of frequency. That's just how transmission lines work. T'is normal.

Andy

19378. Re: Can anyone explain this result

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-22 20:17:59 UTC
From: kb9 ykv
Topic: 19378 Message: 19378

I had a 160 meter vertical where I used to live.
There was an am radio station nearby and the mfj259 gave me erroneous readings due to the interference from the radio station.
But I was able to characterize the impedance of the antenna using a mfj noise bridge.
I am not saying that is your situation because the readings you have shown actually look quite good.

Max

[Non-text portions of this message have been removed]

19379. Re: Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 14:16:54 UTC
From: W5YDM
Topic: 19323 Message: 19379

Having completed a long railroad career, where I came into contact with all kinds of rails on a daily basis, even sitting on them in the rain, I can assure you that I have never encountered even the slightest presence of voltage, not even at crossings. Where would I find the voltages and currents you are refering to?

The best reason for not using railroad tracks is because tampering with railroad equipment is a federal offense, and if you are unlucky enough to be caught by railroad police or FRA inpsectors, and you have equipment connected to the rails, you will certainly be given the chance to see if you can load up steel bars.

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Don't do it!!! as ex railwayman it is something I actually know about. signalling uses upto 600 volts DC/AC at various frequencies between rails, in electrified areas most times return current path so could have upto 2KA running through it. I suppose if you were in the middle of the Nullabor desert or similar you may be OK but otherwise Don't do it even in jest.
>
> Jon
>
> To: ham-antennas@yahoogroups.com
> From: wa9guu@...
> Date: Sat, 20 Aug 2011 22:20:52 -0500
> Subject: Re: [ham-antennas] Thickness of HF wire antenna's
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
> Has anyone ever loaded up railroad tracks???
>
>
>
> ----- Original Message -----
>
> From: dean
>
> To: ham-antennas@yahoogroups.com
>
> Sent: Saturday, August 20, 2011 11:35 AM
>
> Subject: Re: [ham-antennas] Thickness of HF wire antenna's
>
>
>
> Thanks
>
>
>
> 73, WY6L
>
>
>
> From: Richard Schmuke
>
> Sent: Saturday, August 20, 2011 8:07 AM
>
> To: ham-antennas@yahoogroups.com
>
> Subject: RE: [ham-antennas] Thickness of HF wire antenna's
>
>
>
> Dean, that picture is showing two 1:1 baluns wired together to form a 4:1
>
> Guanella current balun. The wire is not wrapped on PVC but it is 10MM
>
> ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap
>
> of regular electrical tape at the ends to hold the Teflon in place while the
>

> magnet wire is wrapped. The dual windings are spaced .025 with monofilament
>
> fishing line then the assembly is has a light coat of quick drying epoxy to
>
> hold it in place. The completed balun was then tweaked to a center frequency
>
> of 10-MHz to give good coverage from 75M thru 10M. The next evolution of
>
> this type is a indoor balun on 1/2" or 13MM ferrite rods to feed my 450 ohm
>
> line and it is switchable between a 1:1 or a 4:1 balun setup. This can be
>
> seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/
>
>
>
> Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA
>
>
>
> Subject: Re: [ham-antennas] Thickness of HF wire antenna's
>
>
>
> What is the diameter of the pvc the copper wires are wrapped around. It
>
> looks very nice. I do not have a balun on my antennas but I do have an RF
>
> choke just below each antenna. About 6 to 8 turns of coax about 10" in
>
> diameter.
>
>
>
> 73, WY6L
>
>
>
> From: Richard Schmuke
>
> Sent: Saturday, August 20, 2011 5:36 AM
>
> To: mailto:ham-antennas%40yahoogroups.com
>
> <mailto:ham-antennas%40yahoogroups.com>
>
> Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's
>
>
>

> For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100
>
> with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to
>
> stop rust and corrosion.
>
> http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg
>
>
>
> Rich , Kd0zz
>
>
>
> My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if
>
> I
>
> can make a few suggestions. First tin the wire ends that connect to the
>
> balun, waterproof the balun, and then waterproof the waterproofing. This
>
> is
>
> especially true here in the UK. lower antenna every year for maintenance.
>
> It
>
> is amazing the difference in SWR before and after. things deteriorate so
>
> gradually you do not notice.
>
>
>
> Unless the balun is very mechanically well built mount it on something UV
>
> proof that will also have points to take strain of the antenna wire. I use
>
> plastic guttering, if gently heated with hot air gun it becomes pliable
>
> and
>
> then flatten between heavy books etc. just drill out and away you go.
>
>
>
> Have fun and hope to catch you on the bands
>
>
>

> Jon
>
>
>
> G6UWK
>
>
>
> >
>
>
>
> > Goodmorning,
>
>
>
> > I am about to errect a Windom antenna, and would like to make it out of
>
>
>
> > thin wire,so as not create too much loading on the supports,
>
>
>
> > What are conciderations I should take nto place
>
>
>
> > Thanks Ross
>
>
>
> >
>
>
>
> >
>
>
>
> >
>
>
>
> >
>
>
>
> >
>
>
>
> [Non-text portions of this message have been removed]
>

>
>
> ------------------------------------
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
>
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>
> Any statements in ANY post that may be construed as inflamatory MAY be
>
> cause
>
> for suspension. Moderators WILL have final say in these matters.
>
> Post message: mailto:ham-antennas%40yahoogroups.com
>
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
>
> Yahoo! Groups Links
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19380. Re: [ham-antennas] Re: Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 14:33:53 UTC
From: Ron Youvan
Topic: 19323 Message: 19380

Robert G W5YDM Pecot wrote:

> Having completed a long railroad career, where I came into contact with all kinds of rails on a
> daily basis, even sitting on them in the rain, I can assure you that I have never encountered even
> the slightest presence of voltage, not even at crossings. Where would I find the voltages and
> currents you are referring to?

> The best reason for not using railroad tracks is because tampering with railroad equipment is a
> federal offense, and if you are unlucky enough to be caught by railroad police or FRA inspectors,
> and you have equipment connected to the rails, you will certainly be given the chance to see if you
> can load up steel bars.

I am NOT the original poster, but the "third rail" is the only place that I can think of. (A power rail for electrified locomotives.)
Barring those there is only enough Voltage to pull in a relay to activate the signals.

The important aspects of this thread is two parallel rails look more like a open wire transmission line than an antenna, not being insulated the wet wooden or concrete ties (sleepers)
would absorb the energy pretty fast. Also:
The top three most important things about antennas are 1. location 2. location and 3. location and
down on the ground is not up high in the air.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19381. Re: [ham-antennas] Re: Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 15:09:34 UTC
From: Dennis Mingear
Topic: 19323 Message: 19381

I couldn't agree more with the fed's getting involved if someone tampers with rail equipment.

I spent about two hours being questioned by a couple of FBI agents when a piece of railroad communications equipment disappeared from a rail car parked near a small business my Dad owned. I used to do a lot of work around the place for him and I was surprised that I was a prime suspect and it took some effort to convince them that I had nothing to do with the equipments disappearance. Seems like my ham license and my immediate proximity to the alleged crime lead them to my front door, at least that's what they suggested during our lengthy conversation.

Denny ... AI6R

From: W5YDM <w5ydm@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 23, 2011 7:16 AM
Subject: [ham-antennas] Re: Thickness of HF wire antenna's

Having completed a long railroad career, where I came into contact with all kinds of rails on a daily basis, even sitting on them in the rain, I can assure you that I have never encountered even the slightest presence of voltage, not even at crossings. Where would I find the voltages and currents you are refering to?

The best reason for not using railroad tracks is because tampering with railroad equipment is a federal offense, and if you are unlucky enough to be caught by railroad police or FRA inpsectors, and you have equipment connected to the rails, you will certainly be given the chance to see if you can load up steel bars.

[Non-text portions of this message have been removed]

19382. RE: [ham-antennas] Re: Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 15:22:21 UTC
From: jo barden
Topic: 19323 Message: 19382

Here in the UK the signals are controlled as I describe although inductive loop and RFID is now becoming more common especially on high speed lines and yes the traction return current does run through the rails.. Honest

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: w5ydm@...
Date: Tue, 23 Aug 2011 14:16:54 +0000
Subject: [ham-antennas] Re: Thickness of HF wire antenna's

Having completed a long railroad career, where I came into contact with all kinds of rails on a daily basis, even sitting on them in the rain, I can assure you that I have never encountered even the slightest presence of voltage, not even at crossings. Where would I find the voltages and currents you are refering to?

The best reason for not using railroad tracks is because tampering with railroad equipment is a federal offense, and if you are unlucky enough to be caught by railroad police or FRA inpsectors, and you have equipment connected to the rails, you will certainly be given the chance to see if you can load up steel bars.

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:

>

>

> Don't do it!!! as ex railwayman it is something I actually know about. signalling uses upto 600 volts DC/AC at various frequencies between rails, in electrified areas most times return current path so could have upto 2KA running through it. I suppose if you were in the middle of the Nullabor desert or similar you may be OK but otherwise Don't do it even in jest.

>

> Jon

>

> To: ham-antennas@yahoogroups.com

> From: wa9guu@...

> Date: Sat, 20 Aug 2011 22:20:52 -0500

> Subject: Re: [ham-antennas] Thickness of HF wire antenna's

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> Has anyone ever loaded up railroad tracks???

>

>

>

> ----- Original Message -----

>

> From: dean

>

> To: ham-antennas@yahoogroups.com

>

> Sent: Saturday, August 20, 2011 11:35 AM

>

> Subject: Re: [ham-antennas] Thickness of HF wire antenna's

>

>

>

> Thanks

>

>

>

> 73, WY6L

>

>

>

> From: Richard Schmuke

>

> Sent: Saturday, August 20, 2011 8:07 AM

>

> To: ham-antennas@yahoogroups.com

>

> Subject: RE: [ham-antennas] Thickness of HF wire antenna's

>

>

>

> Dean, that picture is showing two 1:1 baluns wired together to form a 4:1

>

> Guanella current balun. The wire is not wrapped on PVC but it is 10MM

>

> ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap

>

> of regular electrical tape at the ends to hold the Teflon in place while the

>

> magnet wire is wrapped. The dual windings are spaced .025 with monofilament

>

> fishing line then the assembly is has a light coat of quick drying epoxy to

>

> hold it in place. The completed balun was then tweaked to a center frequency

>

> of 10-MHz to give good coverage from 75M thru 10M. The next evolution of

>

> this type is a indoor balun on 1/2" or 13MM ferrite rods to feed my 450 ohm

>

> line and it is switchable between a 1:1 or a 4:1 balun setup. This can be

>

> seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/

>

>

>

> Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA

>

>

>

> Subject: Re: [ham-antennas] Thickness of HF wire antenna's

>

>

>

> What is the diameter of the pvc the copper wires are wrapped around. It

>

> looks very nice. I do not have a balun on my antennas but I do have an RF

>

> choke just below each antenna. About 6 to 8 turns of coax about 10" in

>

> diameter.

>

>

>

> 73, WY6L

>

>

>

> From: Richard Schmuke

>

> Sent: Saturday, August 20, 2011 5:36 AM

>

> To: mailto:ham-antennas%40yahoogroups.com

>

> <mailto:ham-antennas%40yahoogroups.com>

>

> Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's
>
>
>
> For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100
>
> with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to
>
> stop rust and corrosion.
>
> http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg
>
>
>
> Rich , Kd0zz
>
>
>
> My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if
>
> I
>
> can make a few suggestions. First tin the wire ends that connect to the
>
> balun, waterproof the balun, and then waterproof the waterproofing. This
>
> is
>
> especially true here in the UK. lower antenna every year for maintenance.

>

> It

>

> is amazing the difference in SWR before and after. things deteriorate so

>

> gradually you do not notice.

>

>

>

> Unless the balun is very mechanically well built mount it on something UV

>

> proof that will also have points to take strain of the antenna wire. I use

>

> plastic guttering, if gently heated with hot air gun it becomes pliable

>

> and

>

> then flatten between heavy books etc. just drill out and away you go.

>

>

>

> Have fun and hope to catch you on the bands

>

>

>

> Jon

>

>

>

> G6UWK

>

>

>

> >

>

>

>

> > Goodmorning,

>

>

>

> > I am about to errect a Windom antenna, and would like to make it out of

>

>

>

> > thin wire,so as not create too much loading on the supports,

>

>

>

> > What are conciderations I should take nto place

>

>

>

> > Thanks Ross

>

>

>

> >

>

>

>

> >

>

>

>

> >

>

>

>

> >

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> ------------------------------------

>

>

>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

>

> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

>

> Any statements in ANY post that may be construed as inflamatory MAY be

>

> cause

>

> for suspension. Moderators WILL have final say in these matters.

>

> Post message: mailto:ham-antennas%40yahoogroups.com

>

> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com

>

> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com

>

> List owner: mailto:ham-antennas-owner%40yahoogroups.com

>

> Yahoo! Groups Links

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

19383. Re: Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 16:07:10 UTC
From: AB2ZY
Topic: 19323 Message: 19383

This is straying far afield from antennas...

In the US, most of the block signaling and crossing control is implemented via low voltage on the tracks and shunting the rails.

Trying to use railroad tracks as anything other than a VLF antenna is a dumb idea for an uncountable host of reasons.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Here in the UK the signals are controlled as I describe although inductive loop and RFID is now becoming more common especially on high speed lines and yes the traction return current does run through the rails.. Honest
>
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: w5ydm@...
> Date: Tue, 23 Aug 2011 14:16:54 +0000
> Subject: [ham-antennas] Re: Thickness of HF wire antenna's
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
> Having completed a long railroad career, where I came into contact with all kinds of rails on a daily basis, even sitting on them in the rain, I can assure you that I have never encountered even the slightest presence of voltage, not even at crossings. Where would I find the voltages and currents you are refering to?
>
>
>
> The best reason for not using railroad tracks is because tampering with railroad equipment is a federal offense, and if you are unlucky enough to be caught by railroad police or FRA inpsectors, and you have equipment connected to the rails, you will certainly be given the chance to see if you can load up steel bars.
>
>
>
> --- In ham-antennas@yahoogroups.com, jo barden <jobarden422@> wrote:
>
> >
>
> >
>
> > Don't do it!!! as ex railwayman it is something I actually know about. signalling uses upto 600 volts DC/AC at various frequencies between rails, in electrified areas most times return current path so could have upto 2KA running through it. I suppose if you were in the middle of the Nullabor desert or similar you may be OK but otherwise Don't do it even in jest.
>
> >
>
> > Jon
>
> >
>
> > To: ham-antennas@yahoogroups.com
>
> > From: wa9guu@
>
> > Date: Sat, 20 Aug 2011 22:20:52 -0500
>
> > Subject: Re: [ham-antennas] Thickness of HF wire antenna's
>
> >

>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >

>
> >
>
> >
>
> > Has anyone ever loaded up railroad tracks???
>
> >
>
> >
>
> >
>
> > ----- Original Message -----
>
> >
>
> > From: dean
>
> >
>
> > To: ham-antennas@yahoogroups.com
>
> >
>
> > Sent: Saturday, August 20, 2011 11:35 AM
>
> >
>
> > Subject: Re: [ham-antennas] Thickness of HF wire antenna's
>
> >
>
> >
>
> >
>
> >
>
> > Thanks
>
> >
>
> >
>
> >
>
> >
>
> > 73, WY6L
>
> >
>
> >
>
> >

>
> >
>
> > From: Richard Schmuke
>
> >
>
> > Sent: Saturday, August 20, 2011 8:07 AM
>
> >
>
> > To: ham-antennas@yahoogroups.com
>
> >
>
> > Subject: RE: [ham-antennas] Thickness of HF wire antenna's
>
> >
>
> >
>
> >
>
> > Dean, that picture is showing two 1:1 baluns wired together to form a 4:1
>
> >
>
> > Guanella current balun. The wire is not wrapped on PVC but it is 10MM
>
> >
>
> > ferrite rods wrapped with a couple of layers of Teflon pipe tape and a wrap
>
> >
>
> > of regular electrical tape at the ends to hold the Teflon in place while the
>
> >
>
> > magnet wire is wrapped. The dual windings are spaced .025 with monofilament
>
> >
>
> > fishing line then the assembly is has a light coat of quick drying epoxy to
>
> >
>
> > hold it in place. The completed balun was then tweaked to a center frequency
>
> >

> > of 10-MHz to give good coverage from 75M thru 10M. The next evolution of
> >
> > this type is a indoor balun on 1/2" or 13MM ferrite rods to feed my 450 ohm
> >
> > line and it is switchable between a 1:1 or a 4:1 balun setup. This can be
> >
> > seen at http://s1102.photobucket.com/albums/g453/KD0ZZ/
> >
> >
> >
> > Rich , Kd0zz CONTINUING SEARCH FOR PERFECT ANTENNA
> >
> >
> >
> > Subject: Re: [ham-antennas] Thickness of HF wire antenna's
> >
> >
> >
> > What is the diameter of the pvc the copper wires are wrapped around. It
> >
> > looks very nice. I do not have a balun on my antennas but I do have an RF
> >
> > choke just below each antenna. About 6 to 8 turns of coax about 10" in
> >
> > diameter.

>
> >
>
> >
>
> >
>
> > 73, WY6L
>
> >
>
> >
>
> >
>
> > From: Richard Schmuke
>
> >
>
> > Sent: Saturday, August 20, 2011 5:36 AM
>
> >
>
> > To: mailto:ham-antennas%40yahoogroups.com
>
> >
>
> > <mailto:ham-antennas%40yahoogroups.com>
>
> >
>
> > Subject: RE: AW: [ham-antennas] Thickness of HF wire antenna's
>
> >
>
> >
>
> >
>
> >
>
> > For weather proof balun protection I use a PVC box, 2x4x4 or 50mmx100x100
>
> >
>
> > with a o-ring lid. The cost about $6 at a big box store. SS eye bolts to
>
> >
>
> > stop rust and corrosion.
>
> >

>
> > http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg
>
> >
>
> >
>
> >
>
> > Rich , Kd0zz
>
> >
>
> >
>
> >
>
> > My OFCD is made with 1.5mm enamelled copper wire, it is the 100ft one, if
>
> >
>
> > I
>
> >
>
> > can make a few suggestions. First tin the wire ends that connect to the
>
> >
>
> > balun, waterproof the balun, and then waterproof the waterproofing. This
>
> >
>
> > is
>
> >
>
> > especially true here in the UK. lower antenna every year for maintenance.
>
> >
>
> > It
>
> >
>
> > is amazing the difference in SWR before and after. things deteriorate so
>
> >
>
> > gradually you do not notice.

> > > > > > Unless the balun is very mechanically well built mount it on something UV > > > > > > proof that will also have points to take strain of the antenna wire. I use > > > > > > plastic guttering, if gently heated with hot air gun it becomes pliable > > > > > > and > > > > > > then flatten between heavy books etc. just drill out and away you go. > > > > > > > > > > > > Have fun and hope to catch you on the bands > > > > > > > > > > > > Jon > > > > > > > > > > > > G6UWK > > >

>
> >
>
> >
>
> > >
>
> >
>
> >
>
> >
>
> > > Goodmorning,
>
> >
>
> >
>
> >
>
> > I am about to errect a Windom antenna, and would like to make it out of
>
> >
>
> >
>
> >
>
> > thin wire,so as not create too much loading on the supports,
>
> >
>
> >
>
> >
>
> > What are concideration I should take nto place
>
> >
>
> >
>
> >
>
> > Thanks Ross
>
> >
>
> >

>
> >
>
> > >
>
> >
>
> >
>
> >
>
> >
>
> > >
>
> >
>
> >
>
> >
>
> >
>
> > >
>
> >
>
> >
>
> >
>
> >
>
> > >
>
> >
>
> >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
> >
>
> >
>
> >
>
> > ------------------------------------
>
> >
>
> >
>
> >
>
> >
>
> >

>
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
>
> >
>
> > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>
> >
>
> > Any statements in ANY post that may be construed as inflamatory MAY be
>
> >
>
> > cause
>
> >
>
> > for suspension. Moderators WILL have final say in these matters.
>
> >
>
> > Post message: mailto:ham-antennas%40yahoogroups.com
>
> >
>
> > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>
> >
>
> > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>
> >
>
> > List owner: mailto:ham-antennas-owner%40yahoogroups.com
>
> >
>
> > Yahoo! Groups Links
>
> >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
> >

>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >

>
> >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19384. Re: Antenna Wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 17:22:28 UTC
From: Paul Horvitz
Topic: 8441 Message: 19384

If memory serve me well (it often does not) that wire was called "Litz" wire. And like you say it was part of the Gibson Girl package. Wonderful wire, aggravated me to no end while trying to solder on to it!
I used the stuff for many assorted antenna projects, it used to be easy to find at the electronics surplus places in and around the S.F. Bay Area in 60's and 70's.
Wish I still had a bunch, 'specially at the prices we used to pay for it 40-50 years ago, even back then it was a steal.

73,
Paul
WA6IAF

--- In ham-antennas@yahoogroups.com, "AB2ZY" <akozak@...> wrote:
>
> My original reply must have been eaten...
>
> When I was a teen, someone gave me an AN/CRT-3 transmitter - a survival transmitter used by the military and civilians from WWII through the 1960's. It was also known as a "Gibson Girl" transmitter.
>
> The antenna was a long wire hoisted with either a kite or hydrogen baloon, both of which were included in the kit.
>
> The antenna wire was some of the neatest stuff I'd ever seen. It was a copper braid wound over a nylon core. At maybe 20 AWG, it was extremely strong and nearly invisible. The stuff was impossible to solder as the nylon would melt on the attempt.
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com, "RobertR" <drand@> wrote:
> >
> > I know there are going to be a number of negative comments but I just wanted to mention one of the strongest wires around. We used to call it Tanglefoot, or Trip Wire. It can be bought at Army/Navy surplus stores and online for between 2 and 7 dollars. It is 4 lengths of 38 foot 28 guage steel camouflaged wire which makes 152 feet in length. Steel isn't the best RF conductor, but I still find it strung as tanglefoot in the Army Training areas at Camp Shelby Mississippi. That makes it between 20 and 40 years old.
> >
> > Don
> > KA5DON
> >
>

19385. Re: [ham-antennas] Re: Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 17:24:35 UTC
From: dean
Topic: 19323 Message: 19385

No third rail where I live.

73, WY6L

From: Ron Youvan
Sent: Tuesday, August 23, 2011 7:33 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Thickness of HF wire antenna's

Robert G W5YDM Pecot wrote:

> Having completed a long railroad career, where I came into contact with all kinds of rails on a
> daily basis, even sitting on them in the rain, I can assure you that I have never encountered even
> the slightest presence of voltage, not even at crossings. Where would I find the voltages and
> currents you are referring to?

> The best reason for not using railroad tracks is because tampering with railroad equipment is a
> federal offense, and if you are unlucky enough to be caught by railroad police or FRA inspectors,
> and you have equipment connected to the rails, you will certainly be given the chance to see if you
> can load up steel bars.

I am NOT the original poster, but the "third rail" is the only place that I can think of. (A power rail for electrified locomotives.)
Barring those there is only enough Voltage to pull in a relay to activate the signals.

The important aspects of this thread is two parallel rails look more like a open wire transmission line than an antenna, not being insulated the wet wooden or concrete ties (sleepers)
would absorb the energy pretty fast. Also:
The top three most important things about antennas are 1. location 2. location and 3. location and
down on the ground is not up high in the air.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

19386. y0ygxd qf5psv

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 17:38:59 UTC
From: Paul Zeuke
Topic: 19386 Message: 19386

ge647f0v, j1hchmtpicr.
http://bluwaterscuba.com/wp-content/themes/boast/img/saak.html
ymwrbc70r k7yyjwuux bp6twe6, pxeo7jaebso zzfkelfajv. d8bs2ckqw dvpxv1.

19387. Re: Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 21:49:53 UTC
From: jeffrey lord
Topic: 19323 Message: 19387

HI ALL<

I have a 130Ft doublet at 26Ft , this is made from 1.5mmmSQ insulated wire from a 15amp extension lead, the open wire feeder is from the same material, and cut to a 1/4 wave at 7Mhz,.

as far as I am aware the dia of the wire will not have a great bearing on the performance of the antenna,I have built J poles out of 3.2mm brazing rod instead of the 12mm copper pipe specified without any issues in performance.

As long as the wire is electrically conductive, with minimal resistance (not s/steel), and is able to support it's own weight for the length of the antenna, you should not have any problems,insulated wire would be better as the insulation will provide protection to the wire from the elements, be sure to seal all connections.

Cheers from downunder,

Jeff
vk4fnrs

[Non-text portions of this message have been removed]

19388. Re: [ham-antennas] Re: Antenna Wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 22:04:20 UTC
From: Andy
Topic: 8441 Message: 19388

> If memory serve me well (it often does not) that wire was called "Litz" wire.

I'm no expert here. But just wanted to say that I think Litz wire is something else.

Litz wire is composed of multiple, individually insulated, very fine strands, arranged in a special way. It is supposed to yield low AC impedance (compared to a solid or ordinary stranded wire) over certain frequency ranges, generally up to the MF or lower HF bands, from what I've read. It is not known for any special mechanical strength. And Litz wire is supposed to be easy to solder, since the thin insulations easily burn away.

This one with the strong nylon core sounds different.

Andy

19389. Re: [ham-antennas] Re: Antenna Wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 22:39:21 UTC
From: Stan Labinsky Jr.
Topic: 8441 Message: 19389

Correct Andy, the stuff with the nylon core (could also be cotton) is called Tinsel Wire.

Normally it is crimped, unstripped into an open barrel lug with spikes which pierce the insulation making contact with the wire. Look at the leads of an old, old telephone handset cord, one with spade lugs on it.

While it is tricky, it can be soldered to by taking several strands from a fine wire source, like those scavenged from a piece of lamp cord (aka zip cord).

Wrap the lamp cord strands around the stripped tinsel strands (making what looks like a spring) leaving a pigtail and quickly solder. The pigtail then can be soldered to whatever you need to connect it to.

While it doesn't look too pretty, unless you add some shrink tubing, the technique does work... just takes a bit of practice, but then doesn't everything? ;-)

Stan

----- Original Message -----
From: Andy
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 23, 2011 6:04 PM
Subject: Re: [ham-antennas] Re: Antenna Wire

> If memory serve me well (it often does not) that wire was called "Litz" wire.

I'm no expert here. But just wanted to say that I think Litz wire is
something else.

Litz wire is composed of multiple, individually insulated, very fine
strands, arranged in a special way. It is supposed to yield low AC
impedance (compared to a solid or ordinary stranded wire) over certain
frequency ranges, generally up to the MF or lower HF bands, from what
I've read. It is not known for any special mechanical strength. And
Litz wire is supposed to be easy to solder, since the thin insulations
easily burn away.

This one with the strong nylon core sounds different.

Andy

[Non-text portions of this message have been removed]

19390. Re: [ham-antennas] Re: Thickness of HF wire antenna's

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-23 22:55:26 UTC
From: Andy
Topic: 19323 Message: 19390

On L.B. Cebik's website (http://www.cebik.com, free registration needed to access), there is a page about antenna wire materials. Look for "A Note on Wire Size and Material."

He has a table showing the difference between 14 AWG stainless steel and a superconductor, is less than 1 dB for a 40m dipole.

Another table has data on wires going down to 24 AWG copper, with less than 10% loss in efficiency.

Andy

19391. Re: Antenna Wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 01:13:07 UTC
From: AB2ZY
Topic: 8441 Message: 19391

This stuff was considerably thicker than the tinsel wire you'd find in a telephone, but you've got the idea of how it was constructed.

Here are a couple of links where you can see the thing in action. The kite was not small and the wire had to withstand a fair amount of wind load.

http://www.thekitesociety.org.uk/PDF/Gibson%20Girl.PDF
http://www.olive-drab.com/od_electronics_scr578.php

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Stan Labinsky Jr." <stanbarb@...> wrote:
>
> Correct Andy, the stuff with the nylon core (could also be cotton) is called Tinsel Wire.
>
> Normally it is crimped, unstripped into an open barrel lug with spikes which pierce the insulation making contact with the wire. Look at the leads of an old, old telephone handset cord, one with spade lugs on it.
>
> While it is tricky, it can be soldered to by taking several strands from a fine wire source, like those scavenged from a piece of lamp cord (aka zip cord).
>
> Wrap the lamp cord strands around the stripped tinsel strands (making what looks like a spring) leaving a pigtail and quickly solder. The pigtail then can be soldered to whatever you need to connect it to.
>
> While it doesn't look too pretty, unless you add some shrink tubing, the technique does work... just takes a bit of practice, but then doesn't everything? ;-)
>
> Stan
>
> ----- Original Message -----
> From: Andy
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, August 23, 2011 6:04 PM
> Subject: Re: [ham-antennas] Re: Antenna Wire
>
>
>
>
> > If memory serve me well (it often does not) that wire was called "Litz" wire.
>
> I'm no expert here. But just wanted to say that I think Litz wire is
> something else.
>
> Litz wire is composed of multiple, individually insulated, very fine

> strands, arranged in a special way. It is supposed to yield low AC
> impedance (compared to a solid or ordinary stranded wire) over certain
> frequency ranges, generally up to the MF or lower HF bands, from what
> I've read. It is not known for any special mechanical strength. And
> Litz wire is supposed to be easy to solder, since the thin insulations
> easily burn away.
>
> This one with the strong nylon core sounds different.
>
> Andy
>
>
>
>
> [Non-text portions of this message have been removed]
>

19392. Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 14:21:10 UTC
From: jim burns
Topic: 19392 Message: 19392

When tuning a multiband fan dipole should the longest elements be trimmed first or the shortest elements?

Thanks !

Jim

[Non-text portions of this message have been removed]

19393. Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 14:34:43 UTC
From: kg6xf
Topic: 19392 Message: 19393

Jim,

Start with the shortest elements first. Just take your time doing it.

John

--- In ham-antennas@yahoogroups.com, "jim burns" <jfburns@...> wrote:
>
> When tuning a multiband fan dipole should the longest elements be trimmed
> first or the shortest elements?
>
> Thanks !
>
> Jim
>
>
>
> [Non-text portions of this message have been removed]
>

19394. RE: [ham-antennas] Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 14:38:31 UTC
From: Richard Schmuke
Topic: 19392 Message: 19394

Longest first. I had to do this with my 5 band dipole. How are you spacing your elements? I used dabs of epoxy to hold my PVC strips in place then after a winter of wind, snow and ice some of the epoxy came loose and the spacers slid together. I then reset my spacers and soldered them in place with a small length of 22ga wire.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jim burns
Sent: Wednesday, August 24, 2011 9:21 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Tuning

When tuning a multiband fan dipole should the longest elements be trimmed first or the shortest elements?

Thanks !

Jim

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19395. Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 14:43:13 UTC
From: W5YDM
Topic: 19392 Message: 19395

I use a fan dipole (picture on QRZ) which has 80/40 legs in parallel running north/south and 20/17 in parallel running east/west, which makes the system self-guying. Recently I trimmed each of them for a better match in the cw portions and started with the 80m leg first, then worked down to the 17m. I've done it other ways and if there is a difference, I can't tell it, but as a practical matter, it is easier to start with the longest leg. The only thing I can discern about tuning a fan is that you have a narrower bandwidth that if you use individual ones.

--- In ham-antennas@yahoogroups.com, "jim burns" <jfburns@...> wrote:
>
> When tuning a multiband fan dipole should the longest elements be trimmed
> first or the shortest elements?
>
> Thanks !
>
> Jim
>
>
>
> [Non-text portions of this message have been removed]
>

19396. Re: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 15:09:16 UTC
From: Larry Banks
Topic: 19392 Message: 19396

The longest really must be tuned first -- then the shortest. Trust me, based on experience and everything else I have read.

73 -- Larry -- W1DYJ

----- Original Message -----
From: kg6xf
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 24, 2011 10:34 AM
Subject: [ham-antennas] Re: Tuning

Jim,

Start with the shortest elements first. Just take your time doing it.

John

--- In ham-antennas@yahoogroups.com, "jim burns" <jfburns@...> wrote:
>
> When tuning a multiband fan dipole should the longest elements be trimmed
> first or the shortest elements?
>
> Thanks !
>
> Jim
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19397. Re: [ham-antennas] RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 15:14:37 UTC
From: Frank Kirschner
Topic: 19397 Message: 19397

I occasionally have a GFI outlet in the house trip when using the amplifier on 15 meters. It only happens on that band and with the amp. It happens to be the outlet to which my Internet connection gets its power, so it's kind of important.

I was thinking of bypassing the outlet with some low-value capacitors, but there's a possibility that the capacitors themselves would allow a small amount of ground return current, thus tripping the interrupter.

Any suggestions?

Thanks.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

19398. Re: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 15:37:31 UTC
From: Dennis Mingear
Topic: 19392 Message: 19398

Actually you want to start with the longest dipole first and then work your way to shortest. You can Google tuning a Fan Dipole and learn all you need to know about doing this. It's easier with an antenna analyzer, but it can be done with the cut and hunt method too, it just takes longer.

I've done this many times and it is much easier to start with the lowest frequency antenna and work your way to the highest frequency antenna.

Here's a link to get you started.

http://www.hamuniverse.com/multidipole.html

Keep us posted on your progress, although it can be a time consuming process, if you take your time it can be accomplished without to much pruning.

Denny ... AI6R

From: kg6xf <kg6xf@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 24, 2011 7:34 AM
Subject: [ham-antennas] Re: Tuning

Jim,

Start with the shortest elements first. Just take your time doing it.

John

--- In ham-antennas@yahoogroups.com, "jim burns" <jfburns@...> wrote:
>
> When tuning a multiband fan dipole should the longest elements be trimmed
> first or the shortest elements?
>
> Thanks !
>
> Jim
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19399. RE: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 17:20:48 UTC
From: Richard Schmuke
Topic: 19392 Message: 19399

John are you sure? On my fan dipole the longest was the only one that came out by the book, the higher frequency's had to be made longer on my fan dipole.

Picture of my dipole at http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00949.jpg and http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of kg6xf
Sent: Wednesday, August 24, 2011 9:35 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Tuning

Jim,

Start with the shortest elements first. Just take your time doing it.

John

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "jim burns" <jfburns@...> wrote:
>
> When tuning a multiband fan dipole should the longest elements be trimmed
> first or the shortest elements?
>
> Thanks !
>
> Jim
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19400. Re: [ham-antennas] RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 19:21:31 UTC
From: Larry Tooley
Topic: 19397 Message: 19400

I wonder if that is RF on the line that makes the GFI sense the umbalance.
It think's it is 60 hZ leakage.
----- Original Message -----
From: Frank Kirschner
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 24, 2011 10:14 AM
Subject: Re: [ham-antennas] RFI Tripping GFI Outlet

I occasionally have a GFI outlet in the house trip when using the
amplifier
on 15 meters. It only happens on that band and with the amp. It happens to
be the outlet to which my Internet connection gets its power, so it's kind
of important.

I was thinking of bypassing the outlet with some low-value capacitors, but
there's a possibility that the capacitors themselves would allow a small
amount of ground return current, thus tripping the interrupter.

Any suggestions?

Thanks.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19401. Re: [ham-antennas] RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 19:36:21 UTC
From: Frank Kirschner
Topic: 19397 Message: 19401

That's what I'm thinking. I'm just not sure if bypass capacitors would alleviate or exacerbate the problem.

73, Frank

On Wed, Aug 24, 2011 at 3:21 PM, Larry Tooley <wa9guu@...> wrote:

> **
>
>
> I wonder if that is RF on the line that makes the GFI sense the umbalance.
> It think's it is 60 hZ leakage.
>
>

[Non-text portions of this message have been removed]

19402. Re: [ham-antennas] RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 19:38:44 UTC
From: James Irving
Topic: 19397 Message: 19402

Hi Frank...

Have you tried a new GFI? Might be cheaper than trying to add rf suppressors to the line. Personally, I don't like to modify items like that... just a reason to have someone cancel your insurance it there's an electrical fire.

Might try and build the caps into an ac plug, and just stick it into one of the outlets... see if it helps.

Jim, K9JFK

From: Frank Kirschner <frank@fkirschner.net>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 24, 2011 10:14 AM
Subject: Re: [ham-antennas] RFI Tripping GFI Outlet

I occasionally have a GFI outlet in the house trip when using the amplifier on 15 meters. It only happens on that band and with the amp. It happens to be the outlet to which my Internet connection gets its power, so it's kind of important.

I was thinking of bypassing the outlet with some low-value capacitors, but there's a possibility that the capacitors themselves would allow a small amount of ground return current, thus tripping the interrupter.

Any suggestions?

Thanks.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19403. Re: RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 20:04:24 UTC
From: AB2ZY
Topic: 19397 Message: 19403

GFI devices sense the current balance between the neutral and hot leads. If the balance is not equal to zero, that means that there is path for return current outside the neutral and the device will trip.

Adding bypass capacitors would likely cause the device to trip.

There is some fairly sensitive electronics inside the outlet and your RFI problem may not necessaily be caused by interference conducted through the power lines acting as an antenna. Here are 5 things to try, in ascending order of cost and complexity:

1. Put a toroid on any power cords plugged into the outlet close to the plug.
2. Pass the connection wires inside the box through some toroids.
3. Replace the GFI outlet with a different brand.
4. Find a way to shield the GFI outlet. A metal instead of plastic box perhaps.
5. Replace outlet with a standard duplex and change circuit breaker in distribution panel to GFCI type. These tend to be expensive. A 15A standard circuit breaker and GFCI outlet might cost a total of $12 or so. A GFCI breaker will run $35 or more.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, James Irving <k9jfk@...> wrote:
>
> Hi Frank...
>
> Have you tried a new GFI?Â Might be cheaper than trying to add rf suppressors to the line.Â Personally, I don't like to modify items like that... just a reason to have someone cancel your insurance it there's an electrical fire.
>
> Might try and build the caps into an ac plug, and just stick it into one of the outlets... see if it helps.
>
>
> Jim, K9JFK
>
>
> _____
> From: Frank Kirschner <frank@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, August 24, 2011 10:14 AM
> Subject: Re: [ham-antennas] RFI Tripping GFI Outlet
>
>
> Â
> I occasionally have a GFI outlet in the house trip when using the amplifier
> on 15 meters. It only happens on that band and with the amp. It happens to

> be the outlet to which my Internet connection gets its power, so it's kind
> of important.
>
> I was thinking of bypassing the outlet with some low-value capacitors, but
> there's a possibility that the capacitors themselves would allow a small
> amount of ground return current, thus tripping the interrupter.
>
> Any suggestions?
>
> Thanks.
>
> 73,
> Frank
> KF6E
>
> [Non-text portions of this message have been removed]
>
>
>
>
> [Non-text portions of this message have been removed]
>

19404. Re: RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 20:36:49 UTC
From: fred
Topic: 19397 Message: 19404

had one that tripped on 20 metres it powered a refrigerator and CO detector and the CO detector beeped whenever it lost power so I knew when I had to go and reset it . tried several different brands and none solved the problem . it may have been the length of the romex was a good 20 metre antenna .if you solve the problem let everyone know what you had to do .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> I occasionally have a GFI outlet in the house trip when using the amplifier
> on 15 meters. It only happens on that band and with the amp. It happens to
> be the outlet to which my Internet connection gets its power, so it's kind
> of important.
>
> I was thinking of bypassing the outlet with some low-value capacitors, but
> there's a possibility that the capacitors themselves would allow a small
> amount of ground return current, thus tripping the interrupter.
>
> Any suggestions?
>
> Thanks.
>
> 73,
> Frank
> KF6E
>
>
> [Non-text portions of this message have been removed]
>

19405. Re: RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 20:40:58 UTC
From: fred
Topic: 19397 Message: 19405

don't know what happened to the last senence . I finally had to replace it with a standard outlet to solve the problem .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> I occasionally have a GFI outlet in the house trip when using the amplifier
> on 15 meters. It only happens on that band and with the amp. It happens to
> be the outlet to which my Internet connection gets its power, so it's kind
> of important.
>
> I was thinking of bypassing the outlet with some low-value capacitors, but
> there's a possibility that the capacitors themselves would allow a small
> amount of ground return current, thus tripping the interrupter.
>
> Any suggestions?
>
> Thanks.
>
> 73,
> Frank
> KF6E
>
>
> [Non-text portions of this message have been removed]
>

19406. Re: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 21:02:53 UTC
From: dean
Topic: 19392 Message: 19406

Robert I love the radio on your bench. I have now met 4 people with one of those and of course I’m one of the 4.

73, WY6L

From: W5YDM
Sent: Wednesday, August 24, 2011 7:43 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Tuning

I use a fan dipole (picture on QRZ) which has 80/40 legs in parallel running north/south and 20/17 in parallel running east/west, which makes the system self-guying. Recently I trimmed each of them for a better match in the cw portions and started with the 80m leg first, then worked down to the 17m. I've done it other ways and if there is a difference, I can't tell it, but as a practical matter, it is easier to start with the longest leg. The only thing I can discern about tuning a fan is that you have a narrower bandwidth that if you use individual ones.

--- In mailto:ham-antennas%40yahoogroups.com, "jim burns" <jfburns@...> wrote:
>
> When tuning a multiband fan dipole should the longest elements be trimmed
> first or the shortest elements?
>
> Thanks !
>
> Jim
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19407. Re: [ham-antennas] RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 21:04:41 UTC
From: dean
Topic: 19397 Message: 19407

My amp is wired into a sub panel which goes directly to the main panel. 220 V all the way to my shack. My wife wanted me to tie into the spa but I told her that was a bad idea.

WY6L

From: Frank Kirschner
Sent: Wednesday, August 24, 2011 8:14 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RFI Tripping GFI Outlet

I occasionally have a GFI outlet in the house trip when using the amplifier on 15 meters. It only happens on that band and with the amp. It happens to be the outlet to which my Internet connection gets its power, so it's kind of important.

I was thinking of bypassing the outlet with some low-value capacitors, but there's a possibility that the capacitors themselves would allow a small amount of ground return current, thus tripping the interrupter.

Any suggestions?

Thanks.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19408. Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 22:28:49 UTC
From: W5YDM
Topic: 19392 Message: 19408

If you are referring to the FT-101ZD, I bought it new in April 1979, one month after they came out. It is almost new now, even after 32 years, because I used it lightly until 1983, then dropped out of radio for 25 years until 2008. Even after coming back, I seldom used it, using my new K1 instead, then last year I bought the FT-950, so the FT-101ZD is actually a new-old radio.

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> Robert I love the radio on your bench. I have now met 4 people with one of those and of course Iâ□□m one of the 4.
>
> 73, WY6L
>
> From: W5YDM
> Sent: Wednesday, August 24, 2011 7:43 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Tuning
>
>
> I use a fan dipole (picture on QRZ) which has 80/40 legs in parallel running north/south and 20/17 in parallel running east/west, which makes the system self-guying. Recently I trimmed each of them for a better match in the cw portions and started with the 80m leg first, then worked down to the 17m. I've done it other ways and if there is a difference, I can't tell it, but as a practical matter, it is easier to start with the longest leg. The only thing I can discern about tuning a fan is that you have a narrower bandwidth that if you use individual ones.
>
> --- In mailto:ham-antennas%40yahoogroups.com, "jim burns" <jfburns@> wrote:
> >
> > When tuning a multiband fan dipole should the longest elements be trimmed
> > first or the shortest elements?
> >
> > Thanks !
> >
> > Jim
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19409. sun spot info

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 23:04:29 UTC
From: ke4vyn
Topic: 19409 Message: 19409

For list members who use the Sun as a broadband signal source during TSCM inspections.

http://www.tscm.com/SolarRabbit.html

It is free of charge, hits bugs like a sledgehammer, and if you know how to exploit it during a bug sweep, your finds of electronic devices will go way, way up, without having to buy extra equipment beyond a pocket calculator and some note taking paper.

73,
Lee
KE4VYN

19410. Re: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-24 23:26:35 UTC
From: dean
Topic: 19392 Message: 19410

FT-950

73, WY6L

From: W5YDM
Sent: Wednesday, August 24, 2011 3:28 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Tuning

If you are referring to the FT-101ZD, I bought it new in April 1979, one month after they came out. It is almost new now, even after 32 years, because I used it lightly until 1983, then dropped out of radio for 25 years until 2008. Even after coming back, I seldom used it, using my new K1 instead, then last year I bought the FT-950, so the FT-101ZD is actually a new-old radio.

--- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
>
> Robert I love the radio on your bench. I have now met 4 people with one of those and of course Iâ□□m one of the 4.
>
> 73, WY6L
>
> From: W5YDM
> Sent: Wednesday, August 24, 2011 7:43 AM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] Re: Tuning
>
>
> I use a fan dipole (picture on QRZ) which has 80/40 legs in parallel running north/south and 20/17 in parallel running east/west, which makes the system self-guying. Recently I trimmed each of them for a better match in the cw portions and started with the 80m leg first, then worked down to the 17m. I've done it other ways and if there is a difference, I can't tell it, but as a practical matter, it is easier to start with the longest leg. The only thing I can discern about tuning a fan is that you have a narrower bandwidth that if you use individual ones.
>
> --- In mailto:ham-antennas%40yahoogroups.com, "jim burns" <jfburns@> wrote:
> >
> > When tuning a multiband fan dipole should the longest elements be trimmed
> > first or the shortest elements?
> >
> > Thanks !
> >
> > Jim
> >
> >
> >
> > [Non-text portions of this message have been removed]

> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19411. Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 00:52:54 UTC
From: W5YDM
Topic: 19392 Message: 19411

Well, I'm surprised you only know of 4 because I've run across quite a few of them. Very good radio for the money, especially on cw.

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> FT-950
>
> 73, WY6L
>
> From: W5YDM
> Sent: Wednesday, August 24, 2011 3:28 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Tuning
>
>
> If you are referring to the FT-101ZD, I bought it new in April 1979, one month after they came out. It is almost new now, even after 32 years, because I used it lightly until 1983, then dropped out of radio for 25 years until 2008. Even after coming back, I seldom used it, using my new K1 instead, then last year I bought the FT-950, so the FT-101ZD is actually a new-old radio.
>
> --- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@> wrote:
> >
> > Robert I love the radio on your bench. I have now met 4 people with one of those and of course IÃ¢Â□Â□m one of the 4.
> >
> > 73, WY6L
> >
> > From: W5YDM
> > Sent: Wednesday, August 24, 2011 7:43 AM
> > To: mailto:ham-antennas%40yahoogroups.com
> > Subject: [ham-antennas] Re: Tuning
> >
> >
> > I use a fan dipole (picture on QRZ) which has 80/40 legs in parallel running north/south and 20/17 in parallel running east/west, which makes the system self-guying. Recently I trimmed each of them for a better match in the cw portions and started with the 80m leg first, then worked down to the 17m. I've done it other ways and if there is a difference, I can't tell it, but as a practical matter, it is easier to start with the longest leg. The only thing I can discern about tuning a fan is that you have a narrower bandwidth that if you use individual ones.
> >
> > --- In mailto:ham-antennas%40yahoogroups.com, "jim burns" <jfburns@> wrote:
> > >
> > > When tuning a multiband fan dipole should the longest elements be trimmed
> > > first or the shortest elements?
> > >

> > > Thanks !
> > >
> > > Jim
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19412. Re: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 00:56:46 UTC
From: dean
Topic: 19392 Message: 19412

I don’t do cw. I ADD and I’m very dislysix and I can’t spell for beans. I can send a bit but just can’t seem to hear what is being sent. Its just noise to me. I do enjoy doing SSB though but of late I just do SSB on my FT-857D in my plastic Saturn Vue.

73, WY6L

From: W5YDM
Sent: Wednesday, August 24, 2011 5:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Tuning

Well, I'm surprised you only know of 4 because I've run across quite a few of them. Very good radio for the money, especially on cw.

--- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
>
> FT-950
>
> 73, WY6L
>
> From: W5YDM
> Sent: Wednesday, August 24, 2011 3:28 PM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] Re: Tuning
>
>
> If you are referring to the FT-101ZD, I bought it new in April 1979, one month after they came out. It is almost new now, even after 32 years, because I used it lightly until 1983, then dropped out of radio for 25 years until 2008. Even after coming back, I seldom used it, using my new K1 instead, then last year I bought the FT-950, so the FT-101ZD is actually a new-old radio.
>
> --- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@> wrote:
> >
> > Robert I love the radio on your bench. I have now met 4 people with one of those and of course IÃ¢Â□Â□m one of the 4.
> >
> > 73, WY6L
> >
> > From: W5YDM
> > Sent: Wednesday, August 24, 2011 7:43 AM
> > To: mailto:ham-antennas%40yahoogroups.com
> > Subject: [ham-antennas] Re: Tuning
> >
> >
> > I use a fan dipole (picture on QRZ) which has 80/40 legs in parallel running north/south and 20/17 in parallel

running east/west, which makes the system self-guying. Recently I trimmed each of them for a better match in the cw portions and started with the 80m leg first, then worked down to the 17m. I've done it other ways and if there is a difference, I can't tell it, but as a practical matter, it is easier to start with the longest leg. The only thing I can discern about tuning a fan is that you have a narrower bandwidth that if you use individual ones.
> >
> > --- In mailto:ham-antennas%40yahoogroups.com, "jim burns" <jfburns@> wrote:
> > >
> > > When tuning a multiband fan dipole should the longest elements be trimmed
> > > first or the shortest elements?
> > >
> > > Thanks !
> > >
> > > Jim
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19413. crazy dipole problem

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 02:30:26 UTC
From: fly_ul
Topic: 19413 Message: 19413

I have an 80 meter doublet fed with 40 feet of ladderline and 10 feet of rg-8. I have palomar bead balun at the end of the coax. The problem is that occasionally the antenna will not tune a band. Sometimes it is 80 meters sometimes it is 40/15 meters. I have used two swr meters and get the same results. I replaced the coax last time and thought I had fixed the problem. But it is back. I have checked all the solder joints (resoldered) and the seem to be okay.

What do I look for next?
Thanks

Jeff

19414. RE: [ham-antennas] crazy dipole problem

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 02:39:24 UTC
From: MIKE DURKIN
Topic: 19413 Message: 19414

Birds sitting on your antenna ....

To: ham-antennas@yahoogroups.com
From: fly_ul@...
Date: Thu, 25 Aug 2011 02:30:26 +0000
Subject: [ham-antennas] crazy dipole problem

I have an 80 meter doublet fed with 40 feet of ladderline and 10 feet of rg-8. I have palomar bead balun at the end of the coax. The problem is that occasionally the antenna will not tune a band. Sometimes it is 80 meters sometimes it is 40/15 meters. I have used two swr meters and get the same results. I replaced the coax last time and thought I had fixed the problem. But it is back. I have checked all the solder joints (resoldered) and the seem to be okay.

What do I look for next?

Thanks

Jeff

[Non-text portions of this message have been removed]

19415. Re: crazy dipole problem

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 02:40:21 UTC
From: kd8bbk
Topic: 19413 Message: 19415

Hello Jeff,
Well for starters I would check your ladderline. Most of the ladder line made is usually 18 awg and it is solid. As the ladderline whips around in the wind it breaks. It is hard to find because it breaks inside the insulation. So the result is it makes contact sometimes and the other times it is not. You can get ladderline that is stranded and holds up much better. Hope this helps.
Best 73's Tony KD8BBK

--- In ham-antennas@yahoogroups.com, "fly_ul" <fly_ul@...> wrote:
>
> I have an 80 meter doublet fed with 40 feet of ladderline and 10 feet of rg-8. I have palomar bead balun at the end of the coax. The problem is that occasionally the antenna will not tune a band. Sometimes it is 80 meters sometimes it is 40/15 meters. I have used two swr meters and get the same results. I replaced the coax last time and thought I had fixed the problem. But it is back. I have checked all the solder joints (resoldered) and the seem to be okay.
>
> What do I look for next?
> Thanks
>
> Jeff
>

19416. Re: [ham-antennas] RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 11:50:01 UTC
From: Frank Kirschner
Topic: 19397 Message: 19416

Jim,

Two good ideas. Thanks. I'll try them.

73, Frank

On Wed, Aug 24, 2011 at 3:38 PM, James Irving <k9jfk@...> wrote:

> **
>
>
> Hi Frank...
>
> Have you tried a new GFI? Might be cheaper than trying to add rf
> suppressors to the line. Personally, I don't like to modify items like
> that... just a reason to have someone cancel your insurance it there's an
> electrical fire.
>
> Might try and build the caps into an ac plug, and just stick it into one of
> the outlets... see if it helps.
>
> Jim, K9JFK
>

[Non-text portions of this message have been removed]

19417. EMOTATOR rotor.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 14:58:37 UTC
From: Rui Martins
Topic: 19417 Message: 19417

Hi,

I have one Emotator Rotor which I think is a 14c.

I don't have command and manual.

Can anyone help with this manual?

CT1EBHT

Rui Jorge Martins

Proudly user of FT-ONE, FT-980 and FT-2000

73!

[Non-text portions of this message have been removed]

19418. Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 15:25:29 UTC
From: kg6xf
Topic: 19392 Message: 19418

Whoops, sorry I goofed up

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> John are you sure? On my fan dipole the longest was the only one that came
> out by the book, the higher frequency's had to be made longer on my fan
> dipole.
>
> Picture of my dipole at
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00949.jpg and
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg
>
>
>
> Rich , Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of kg6xf
> Sent: Wednesday, August 24, 2011 9:35 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Tuning
>
>
>
>
>
>
> Jim,
>
> Start with the shortest elements first. Just take your time doing it.
>
> John
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> , "jim burns" <jfburns@> wrote:
> >
> > When tuning a multiband fan dipole should the longest elements be trimmed
> > first or the shortest elements?
> >
> > Thanks !
> >
> > Jim
> >
> >

> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19419. Re: [ham-antennas] EMOTATOR rotor.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 15:44:03 UTC
From: dean
Topic: 19417 Message: 19419

I did not see anything on a model 14C but I did see this web page

http://www.rigpix.com/rotators/rotators.htm

of which covers model's 103LBX, 502CXX, 1102MXX, 1103MXX, and they have listed but no info on 1105FXX and 1200FXX.

and this page which lists two units not mentioned on the last one.

http://www.mods.dk/manual.php?brand=_other

This might help also but without the info on the plate its like shooting fish with a bb gun after dark.

http://vkham.com/Software/kits/Emotator%20502CXX%20Info.pdf

73, WY6L

There are no strangers here only friends we haven't met

From: Rui Martins
Sent: Thursday, August 25, 2011 7:58 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] EMOTATOR rotor.

Hi,

I have one Emotator Rotor which I think is a 14c.

I don't have command and manual.

Can anyone help with this manual?

CT1EBHT

Rui Jorge Martins

Proudly user of FT-ONE, FT-980 and FT-2000

73!

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19420. Re: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 15:54:31 UTC
From: dean
Topic: 19392 Message: 19420

say Rich what is the spacing between each dipole?

73, WY6L

There are no strangers here only friends we haven’t met

From: kg6xf
Sent: Thursday, August 25, 2011 8:25 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Tuning

Whoops, sorry I goofed up

--- In mailto:ham-antennas%40yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> John are you sure? On my fan dipole the longest was the only one that came
> out by the book, the higher frequency's had to be made longer on my fan
> dipole.
>
> Picture of my dipole at
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00949.jpg and
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg
>
>
>
> Rich , Kd0zz
>
>
>
> From: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] On
> Behalf Of kg6xf
> Sent: Wednesday, August 24, 2011 9:35 AM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] Re: Tuning
>
>
>
>
>
> Jim,
>
> Start with the shortest elements first. Just take your time doing it.
>
> John
>

> --- In mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> , "jim burns" <jfburns@> wrote:
> >
> > When tuning a multiband fan dipole should the longest elements be trimmed
> > first or the shortest elements?
> >
> > Thanks !
> >
> > Jim
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19421. Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 17:57:46 UTC
From: ken.k6kaw@gmail.com
Topic: 19421 Message: 19421

What can I do to improve the receive performance of these antennas? I know operating on verticals is inherently noisy but there has to be a way of moderating this high noise...

I also know that the front end of my radio is not the best < FT-857d >. How about a Capacity Hat. And how would I go about that?

73
Ken
K6KAW
925-594-1677
AIM K6KAW
Skype ken.k6kaw

[Non-text portions of this message have been removed]

19422. Re: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:06:39 UTC
From: Ron Youvan
Topic: 19421 Message: 19422

ken.k6kaw@... wrote:

> What can I do to improve the receive performance of these antennas? I know
> operating on verticals is inherently noisy but there has to be a way of
> moderating this high noise...

> I also know that the front end of my radio is not the best < FT-857d >. How
> about a Capacity Hat. And how would I go about that?

Wrong end, how about a hundred radials? How about putting it up over your house.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19423. Re: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:11:28 UTC
From: ken.k6kaw@gmail.com
Topic: 19421 Message: 19423

I guess I forgot to state that this is on my car!!

☐
73
Ken
K6KAW
925-594-1677
AIM K6KAW
Skype ken.k6kaw
-------Original Message-------

From: Ron Youvan
Date: 8/25/2011 11:06:59 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Ham Stick Antennas

ken.k6kaw@... wrote:

> What can I do to improve the receive performance of these antennas? I know
> operating on verticals is inherently noisy but there has to be a way of
> moderating this high noise...

> I also know that the front end of my radio is not the best < FT-857d >.
How
> about a Capacity Hat. And how would I go about that?

Wrong end, how about a hundred radials? How about putting it up over your
house.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

19424. RE: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:15:23 UTC
From: Richard Schmuke
Topic: 19392 Message: 19424

No problem, it keeps us all thinking.

Subject: [ham-antennas] Re: Tuning

Whoops, sorry I goofed up

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Richard Schmuke" <rdj@...> wrote:
>
> John are you sure? On my fan dipole the longest was the only one that came
> out by the book, the higher frequency's had to be made longer on my fan
> dipole.
>
> Picture of my dipole at
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00949.jpg and
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg
>
>
>
> Rich , Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
> Behalf Of kg6xf
> Sent: Wednesday, August 24, 2011 9:35 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Re: Tuning
>
>
>
>
>
> Jim,
>
> Start with the shortest elements first. Just take your time doing it.
>
> John
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> , "jim burns" <jfburns@> wrote:
> >

> > When tuning a multiband fan dipole should the longest elements be
trimmed
> > first or the shortest elements?
> >
> > Thanks !
> >
> > Jim
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19425. Re: RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:16:32 UTC
From: kd8phx
Topic: 19397 Message: 19425

What kind of amperage is being drawn thru this GFI? If you are getting close to the rating, it will pop & especially if it is old. I have seen this & replacing the old one fixed the issue. GFI's do some weird things. I replace it with a 20AMP GFI since 12ga wire was attached to it.
73 - Bob V

--- In ham-antennas@yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> Jim,
>
> Two good ideas. Thanks. I'll try them.
>
> 73, Frank
>
> On Wed, Aug 24, 2011 at 3:38 PM, James Irving <k9jfk@...> wrote:
>
> > **
> > >
> > >
> > > Hi Frank...
> > >
> > > Have you tried a new GFI? Might be cheaper than trying to add rf
> > > suppressors to the line. Personally, I don't like to modify items like
> > > that... just a reason to have someone cancel your insurance it there's an
> > > electrical fire.
> > >
> > > Might try and build the caps into an ac plug, and just stick it into one of
> > > the outlets... see if it helps.
> > >
> > > Jim, K9JFK
> > >
>
>
> [Non-text portions of this message have been removed]
>

19426. RE: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:18:50 UTC
From: jo barden
Topic: 19421 Message: 19426

Depending on the frequency you are using perhaps co-phasing may be an option, you wil get gain and reduced signal from the sides so the noise levels from there will be reduced, depending on frequency though you might have a bit of coax to coil up!

Jon

G6UWK
To: ham-antennas@yahoogroups.com
From: ka4inm@...
Date: Thu, 25 Aug 2011 14:06:39 -0400
Subject: Re: [ham-antennas] Ham Stick Antennas

ken.k6kaw@... wrote:

> What can I do to improve the receive performance of these antennas? I know

> operating on verticals is inherently noisy but there has to be a way of

> moderating this high noise...

> I also know that the front end of my radio is not the best < FT-857d >. How

> about a Capacity Hat. And how would I go about that?

Wrong end, how about a hundred radials? How about putting it up over your house.

--

Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

19427. Re: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:28:25 UTC
From: Dan Schaaf
Topic: 19421 Message: 19427

Ken
Capacity hats are for top loading to shorten an unweildy long antenna. That will not solve a noise problem.
What is the source of the noise? if it is atmospheric, there is nothing you can do about it. If it is manmade, some types of noise can be killed with the radio's noise blanker. Such as repetitive noise from ignition systems. If it is YOUR ignition system you can install filters on the 12 VDC battery line.
There is no reason to believe that your receiver is not good. Yaesu radios historically have excellent receivers in terms of sensitivity.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: ken.k6kaw@...
To: Ham Radio Antenna
Sent: Thursday, August 25, 2011 1:57 PM
Subject: [ham-antennas] Ham Stick Antennas

What can I do to improve the receive performance of these antennas? I know operating on verticals is inherently noisy but there has to be a way of moderating this high noise...

I also know that the front end of my radio is not the best < FT-857d >. How about a Capacity Hat. And how would I go about that?

73
Ken
K6KAW
925-594-1677
AIM K6KAW
Skype ken.k6kaw

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19428. RE: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:31:14 UTC
From: Richard Schmuke
Topic: 19392 Message: 19428

Well it is now up at a friend house (Kc0ziu) so I can't run and check the spacing but if I remember it is about 1.8" to 2". I took a scrap length of PVC conduit and split it into 4 segments with a scroll saw. It worked fine as a fan dipole. The closer you have the wires the more they will interact. It has been replaced with a Delta loop and I am very happy with the loop. The dipole is directional and I get much better coverage and better overall signal reports with the loop.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of dean
Sent: Thursday, August 25, 2011 10:55 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Tuning

say Rich what is the spacing between each dipole?

73, WY6L

There are no strangers here only friends we haven't met

From: kg6xf
Sent: Thursday, August 25, 2011 8:25 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: Tuning

Whoops, sorry I goofed up

--- In mailto:ham-antennas%40yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> John are you sure? On my fan dipole the longest was the only one that came
> out by the book, the higher frequency's had to be made longer on my fan
> dipole.
>
> Picture of my dipole at
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00949.jpg and
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg
>
>
>
> Rich , Kd0zz
>
>
>
> From: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] On
> Behalf Of kg6xf
> Sent: Wednesday, August 24, 2011 9:35 AM

> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] Re: Tuning
>
>
>
>
>
>
> Jim,
>
> Start with the shortest elements first. Just take your time doing it.
>
> John
>
> --- In mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> , "jim burns" <jfburns@> wrote:
> >
> > When tuning a multiband fan dipole should the longest elements be trimmed
> > first or the shortest elements?
> >
> > Thanks !
> >
> > Jim
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19429. Re: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:33:48 UTC
From: ken.k6kaw@gmail.com
Topic: 19421 Message: 19429

Well that just about summs It up..

It's all sky noise

☐
73
Ken
K6KAW
925-594-1677
AIM K6KAW
Skype ken.k6kaw
-------Original Message-------

From: Dan Schaaf
Date: 8/25/2011 11:28:38 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Ham Stick Antennas

Ken
Capacity hats are for top loading to shorten an unweildy long antenna. That will not solve a noise problem.
What is the source of the noise? if it is atmospheric, there is nothing you can do about it. If it is manmade, some types of noise can be killed with the radio's noise blanker. Such as repetitive noise from ignition systems. If it is YOUR ignition system you can install filters on the 12 VDC battery line.
There is no reason to believe that your receiver is not good. Yaesu radios historically have excellent receivers in terms of sensitivity.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

[Non-text portions of this message have been removed]

19430. Re: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:43:07 UTC
From: dean
Topic: 19421 Message: 19430

Try this site for grounding ideas

http://www.k0bg.com/

He doesn’t like the K 400 but I do and my Elmer has them and they work for him.

I got the sierra slims from High Sierra and they seem to be better than the ham stick.

I’m use mostly the 20 meter Sierra Slim and I got noise but I have made contacts to ND, Montana, CO, MN and others. I live in tree country so if I was on the flatlands I probably could make more contacts. My vehicle is a lot of plastic. I was just a tech when I bought the Vue so I have to suffer with less of a ground plane. My mount is a K 400 3/8 connector. I’m going to replace my 1/2 “ grounding strap with a 1” one. I use lots of Ferrite cores close to the radio and on my power connector. The only thing that does not have a ferrite core is the mic and the VHF/UHF antenna.

Its still noisy but I live with it and it works.

73, WY6L

There are no strangers here only friends we haven’t met.

From: ken.k6kaw@...
Sent: Thursday, August 25, 2011 10:57 AM
To: Ham Radio Antenna
Subject: [ham-antennas] Ham Stick Antennas

What can I do to improve the receive performance of these antennas? I know operating on verticals is inherently noisy but there has to be a way of moderating this high noise...

I also know that the front end of my radio is not the best < FT-857d >. How about a Capacity Hat. And how would I go about that?

73
Ken
K6KAW
925-594-1677
AIM K6KAW
Skype ken.k6kaw

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19431. Re: [ham-antennas] Re: Tuning

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 18:51:59 UTC
From: dean
Topic: 19392 Message: 19431

Yah the loop is far better but the only place I can put the loop is over my house. When the tv has problems when I transmit the wife will do horrible things to my equipment. She puts up with all my antennas so long as they are in the back yard.

How far apart are your spacers from one another. I think I would like to make one for 75, 40, 20, 17, 15, 12, and 10. I can only put it up about 44 Ft.

73, WY6L

There are no strangers here only friends I haven’t met

From: Richard Schmuke
Sent: Thursday, August 25, 2011 11:31 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Tuning

Well it is now up at a friend house (Kc0ziu) so I can’t run and check the spacing but if I remember it is about 1.8” to 2”. I took a scrap length of PVC conduit and split it into 4 segments with a scroll saw. It worked fine as a fan dipole. The closer you have the wires the more they will interact. It has been replaced with a Delta loop and I am very happy with the loop. The dipole is directional and I get much better coverage and better overall signal reports with the loop.

Rich , Kd0zz

From: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] On Behalf Of dean
Sent: Thursday, August 25, 2011 10:55 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Re: Tuning

say Rich what is the spacing between each dipole?

73, WY6L

There are no strangers here only friends we haven’t met

From: kg6xf
Sent: Thursday, August 25, 2011 8:25 AM
To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: Tuning

Whoops, sorry I goofed up

--- In mailto:ham-antennas%40yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> John are you sure? On my fan dipole the longest was the only one that came
> out by the book, the higher frequency's had to be made longer on my fan

> dipole.
>
> Picture of my dipole at
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00949.jpg and
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg
>
>
>
> Rich , Kd0zz
>
>
>
> From: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] On
> Behalf Of kg6xf
> Sent: Wednesday, August 24, 2011 9:35 AM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] Re: Tuning
>
>
>
>
>
>
> Jim,
>
> Start with the shortest elements first. Just take your time doing it.
>
> John
>
> --- In mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> , "jim burns" <jfburns@> wrote:
> >
> > When tuning a multiband fan dipole should the longest elements be trimmed
> > first or the shortest elements?
> >
> > Thanks !
> >
> > Jim
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19432. how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 19:41:03 UTC
From: elbertm
Topic: 19432 Message: 19432

Hello to everyone.

I am new to using 450 ladderline and need info on how to connect or splice the line to the coax.

I plan on building a 80 meter dipole (inverted v) and using 450 ladderline up to the shack then connect to coax, to inter the building.

Will I need some type of balun and where would I install it?

If there is a web page somewhere on the internet that shows all of this, I would appreciate it.

I have an auto tuner.

Any info, etc. will be appreciated.
Thanks
KC4YFA

19433. RE: [ham-antennas] how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 20:18:49 UTC
From: Richard Schmuke
Topic: 19432 Message: 19433

IMHO I would keep the coax run as short as possible. If you have high SWR and long coax you will have more loss, the longer the coax.

Coax is a unbalanced line and 450 ladder line is a balanced feed so it will require a balun at the ladder line to coax intersection. Will you require a 4:1 balun (most likely) or a 1:1 balun? That depends on you length of 450 ohm line with your set up.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of elbertm
Sent: Thursday, August 25, 2011 2:41 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] how to connect 450 ladderline to coax

Hello to everyone.

I am new to using 450 ladderline and need info on how to connect or splice the line to the coax.

I plan on building a 80 meter dipole (inverted v) and using 450 ladderline up to the shack then connect to coax, to inter the building.

Will I need some type of balun and where would I install it?

If there is a web page somewhere on the internet that shows all of this, I would appreciate it.

I have an auto tuner.

Any info, etc. will be appreciated.
Thanks
KC4YFA

[Non-text portions of this message have been removed]

19434. Re: [ham-antennas] Re: RFI Tripping GFI Outlet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 23:35:18 UTC
From: Frank Kirschner
Topic: 19397 Message: 19434

Not much. The only thing plugged in is the Verizon FIOS box. This provides
TV and Internet connection. I'm guessing < 2A.

73, Frank

On Thu, Aug 25, 2011 at 2:16 PM, kd8phx <rrmvargo@...> wrote:

> **
>
>
> What kind of amperage is being drawn thru this GFI? If you are getting
> close to the rating, it will pop & especially if it is old. I have seen this
> & replacing the old one fixed the issue. GFI's do some weird things. I
> replace it with a 20AMP GFI since 12ga wire was attached to it.
> 73 - Bob V
>
>

[Non-text portions of this message have been removed]

19435. Re: [ham-antennas] how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-25 23:41:16 UTC
From: Frank Kirschner
Topic: 19432 Message: 19435

I have a 102-ft doublet (probably shorter than your 80 M dipole) fed with 450-ohm ladder line. I run the ladder line to a 9:1 balun, thence to a short run of coax to the antenna tuner. I also tried a 4:1 balun, with essentially identical results. (Slightly different numbers, but no better or worse.) I stuck with the 9:1 because it is easier to mount and connect to.

I work all bands from 80 to 6 with fairly low SWR (except 15, which doesn't tune at all well).

Hope that helps.

73, Frank

On Thu, Aug 25, 2011 at 3:41 PM, elbertm <elbertmason@...> wrote:

> **
>
>
> Hello to everyone.
>
> I am new to using 450 ladderline and need info on how to connect or splice
> the line to the coax.
>
> I plan on building a 80 meter dipole (inverted v) and using 450 ladderline
> up to the shack then connect to coax, to inter the building.
>
> Will I need some type of balun and where would I install it?
>
> If there is a web page somewhere on the internet that shows all of this, I
> would appreciate it.
>
> I have an auto tuner.
>
> Any info, etc. will be appreciated.
> Thanks
> KC4YFA
>
>
>
>

[Non-text portions of this message have been removed]

19436. RE: [ham-antennas] how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 00:40:40 UTC
From: Richard Schmuke
Topic: 19432 Message: 19436

Gentlemen , I looked at a 9:1 balun but saw that a lot of people run a 4:1 and some a 1:1 balun. Because I like to make my own things I made two, 1:1 rod type baluns side by side and then made it switchable between a 1:1 or a 4:1 balun. It was easier to do it this way than use a 9:1 and make it switchable. My switchable balun is inside on my windowsill then to the 450 ohm window feed thru.

Rich , Kd0zz

Subject: Re: [ham-antennas] how to connect 450 ladderline to coax

I have a 102-ft doublet (probably shorter than your 80 M dipole) fed with 450-ohm ladder line. I run the ladder line to a 9:1 balun, thence to a short run of coax to the antenna tuner. I also tried a 4:1 balun, with essentially identical results. (Slightly different numbers, but no better or worse.) I stuck with the 9:1 because it is easier to mount and connect to.

I work all bands from 80 to 6 with fairly low SWR (except 15, which doesn't tune at all well).

Hope that helps.

73, Frank

On Thu, Aug 25, 2011 at 3:41 PM, elbertm <elbertmason@...
<mailto:elbertmason%40yahoo.com> > wrote:

> **
>
>
> Hello to everyone.
>
> I am new to using 450 ladderline and need info on how to connect or splice
> the line to the coax.
>
> I plan on building a 80 meter dipole (inverted v) and using 450 ladderline
> up to the shack then connect to coax, to inter the building.
>
> Will I need some type of balun and where would I install it?
>
> If there is a web page somewhere on the internet that shows all of this, I
> would appreciate it.
>
> I have an auto tuner.
>
> Any info, etc. will be appreciated.

> Thanks
> KC4YFA
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19437. Re: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 15:46:59 UTC
From: James Irving
Topic: 19421 Message: 19437

Well Ken... you can't use 50 radials on your car when driving... I know this for a fact. However, have you ever seen the Red Green Show on PBS? You ever see the episode were he used duct tape to put 6 or 8 cars together, so everyone could "car pool", but still use their own car? Much better chance of using radials in that situation if you can find a couple of neighbor hams going in the same direction!

On a more serious note, how much does the noise level change in the radio after the car is started? That is the noise you should be able to eliminate further by panel bonding, electrical bypassing, and filtering of various electrics in the vehicle. Anything that is there before the car is started is atmospheric rf; noise level should be the same on a vertical on a fixed station at that location, maybe even higher with a larger vertical. Radials make an antenna more efficient... so noise levels will increase in signal strength.... nature of the beast.

Jim, K9JFK

From: "ken.k6kaw@..." <ken.k6kaw@...>
To: Ham Radio Antenna <ham-antennas@yahoogroups.com>
Sent: Thursday, August 25, 2011 1:11 PM
Subject: Re: [ham-antennas] Ham Stick Antennas

I guess I forgot to state that this is on my car!!

☐
73
Ken
K6KAW
925-594-1677
AIM K6KAW
Skype ken.k6kaw
-------Original Message-------

From: Ron Youvan
Date: 8/25/2011 11:06:59 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Ham Stick Antennas

ken.k6kaw@... wrote:

> What can I do to improve the receive performance of these antennas? I know
> operating on verticals is inherently noisy but there has to be a way of
> moderating this high noise...

> I also know that the front end of my radio is not the best < FT-857d >.
How
> about a Capacity Hat. And how would I go about that?

Wrong end, how about a hundred radials? How about putting it up over your house.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19438. Re: how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 16:01:04 UTC
From: James
Topic: 19432 Message: 19438

Hi...

I've always liked this design... never built one, and probably never will... but I like it.

http://www.w5dxp.com/notuner.htm

If you've got the trees and some space for the ladderline, it looks really good.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> I have a 102-ft doublet (probably shorter than your 80 M dipole) fed with
> 450-ohm ladder line. I run the ladder line to a 9:1 balun, thence to a
> short run of coax to the antenna tuner. I also tried a 4:1 balun, with
> essentially identical results. (Slightly different numbers, but no better
> or worse.) I stuck with the 9:1 because it is easier to mount and connect
> to.
>
> I work all bands from 80 to 6 with fairly low SWR (except 15, which doesn't
> tune at all well).
>
> Hope that helps.
>
> 73, Frank
>
> On Thu, Aug 25, 2011 at 3:41 PM, elbertm <elbertmason@...> wrote:
>
> > **
> > >
> > >
> > > Hello to everyone.
> > >
> > > I am new to using 450 ladderline and need info on how to connect or splice
> > > the line to the coax.
> > >
> > > I plan on building a 80 meter dipole (inverted v) and using 450 ladderline
> > > up to the shack then connect to coax, to inter the building.
> > >
> > > Will I need some type of balun and where would I install it?
> > >
> > > If there is a web page somewhere on the internet that shows all of this, I
> > > would appreciate it.
> > >
> > > I have an auto tuner.
> > >

> > Any info, etc. will be appreciated.
> > Thanks
> > KC4YFA
> >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

19439. Re: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 16:12:12 UTC
From: dean
Topic: 19421 Message: 19439

I have a large roll of RG-8X on my back porch. I think I'll put an "UGLY BALUN" http://www.hamuniverse.com/balun.html at the end of the coax. Not even sure if it'll make a difference but it'll be fun making it.

73, WY6L

There are no strangers here only friends I haven't met

From: James Irving
Sent: Friday, August 26, 2011 8:46 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Ham Stick Antennas

Well Ken... you can't use 50 radials on your car when driving... I know this for a fact. However, have you ever seen the Red Green Show on PBS? You ever see the episode were he used duct tape to put 6 or 8 cars together, so everyone could "car pool", but still use their own car? Much better chance of using radials in that situation if you can find a couple of neighbor hams going in the same direction!

On a more serious note, how much does the noise level change in the radio after the car is started? That is the noise you should be able to eliminate further by panel bonding, electrical bypassing, and filtering of various electrics in the vehicle. Anything that is there before the car is started is atmospheric rf; noise level should be the same on a vertical on a fixed station at that location, maybe even higher with a larger vertical. Radials make an antenna more efficient... so noise levels will increase in signal strength.... nature of the beast.

Jim, K9JFK

From: "mailto:ken.k6kaw%40gmail.com" <mailto:ken.k6kaw%40gmail.com>
To: Ham Radio Antenna <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, August 25, 2011 1:11 PM
Subject: Re: [ham-antennas] Ham Stick Antennas

I guess I forgot to state that this is on my car!!

☐
73
Ken
K6KAW
925-594-1677
AIM K6KAW
Skype ken.k6kaw
-------Original Message-------

From: Ron Youvan
Date: 8/25/2011 11:06:59 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Ham Stick Antennas

mailto:ken.k6kaw%40gmail.com wrote:

> What can I do to improve the receive performance of these antennas? I know
> operating on verticals is inherently noisy but there has to be a way of
> moderating this high noise...

> I also know that the front end of my radio is not the best < FT-857d >.
How
> about a Capacity Hat. And how would I go about that?

Wrong end, how about a hundred radials? How about putting it up over your
house.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19440. Vertical Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 16:17:33 UTC
From: Jim
Topic: 4303 Message: 19440

I just bought an ICOM IC-7000 and I would like some recommendations on vertical antennas. This will be semi-permanent for my use in my house. I do not want any guy wires or ground radials. I want to be able to operate on 6m-180m.

Jim
N1ODP

19441. Re: [ham-antennas] Re: how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 16:20:43 UTC
From: dean
Topic: 19432 Message: 19441

No 450 ohm ladder line but I do like this dipole. I’m thinking of building it but first I have to sweet talk the XYL out of the $$$$ for the wire.

http://www.hamuniverse.com/multidipole.html

73, WY6L

From: James
Sent: Friday, August 26, 2011 9:01 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: how to connect 450 ladderline to coax

Hi...

I've always liked this design... never built one, and probably never will... but I like it.

http://www.w5dxp.com/notuner.htm

If you've got the trees and some space for the ladderline, it looks really good.

Jim, K9JFK

--- In mailto:ham-antennas%40yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> I have a 102-ft doublet (probably shorter than your 80 M dipole) fed with
> 450-ohm ladder line. I run the ladder line to a 9:1 balun, thence to a
> short run of coax to the antenna tuner. I also tried a 4:1 balun, with
> essentially identical results. (Slightly different numbers, but no better
> or worse.) I stuck with the 9:1 because it is easier to mount and connect
> to.
>
> I work all bands from 80 to 6 with fairly low SWR (except 15, which doesn't
> tune at all well).
>
> Hope that helps.
>
> 73, Frank
>
> On Thu, Aug 25, 2011 at 3:41 PM, elbertm <elbertmason@...> wrote:
>
> > **
> > >
> > >
> > > Hello to everyone.
> > >
> > > I am new to using 450 ladderline and need info on how to connect or splice
> > > the line to the coax.

> >
> > I plan on building a 80 meter dipole (inverted v) and using 450 ladderline
> > up to the shack then connect to coax, to inter the building.
> >
> > Will I need some type of balun and where would I install it?
> >
> > If there is a web page somewhere on the internet that shows all of this, I
> > would appreciate it.
> >
> > I have an auto tuner.
> >
> > Any info, etc. will be appreciated.
> > Thanks
> > KC4YFA
> >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19442. Re: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 16:33:21 UTC
From: dean
Topic: 4303 Message: 19442

Just doing some checking on the internet I come up with these sites for some help.

http://www.bencher.com/ham/index.php?main_page=page_4

http://forums.qrz.com/showthread.php?295215-Vertical-Antenna-with-NO-radials

http://www.eham.net/reviews/detail/1902

I had the R7 and it did not require guying or radials. I live in California and I talked to Spain and Poland on it and of course other places. When I got my Beam and dipole I gave it to a friend and I wish I hadn't now.

http://www.cushcraftamateur.com/Product.php?productid=R8

http://www.universal-radio.com/catalog/hamants/4287.html

only problem I can see with the Cushcraft is no 80 meters.

http://www.universal-radio.com/catalog/hamants/4778.html

Sorry that I can only give you web pages as I now only have dipoles (I live on 8 acres).

Enjoy

73, WY6L

There are no strangers here only friends I haven't met

From: Jim
Sent: Friday, August 26, 2011 9:17 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Vertical Antenna

I just bought an ICOM IC-7000 and I would like some recommendations on vertical antennas. This will be semi-permanent for my use in my house. I do not want any guy wires or ground radials. I want to be able to operate on 6m-180m.

Jim
N1ODP

[Non-text portions of this message have been removed]

19443. Re: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 17:04:48 UTC
From: Dave Cole
Topic: 4303 Message: 19443

Hi Jim,

I wish you good luck in this endeavor... As far as I know the only thing that is close is a vertical dipole, and that only operates on one band...

I also wanted an antenna like that, but have not been able to find it. The closest I have found is a Gap Challenger. Works fine, has only three radials, and in theory does not need guys. I have added guys, but they say it does not need them.

Dave
NK7Z

==========CUT==========
On Fri, 26 Aug 2011 16:17:33 -0000
"Jim" <ROCKETMAN@...> wrote:

> I just bought an ICOM IC-7000 and I would like some recommendations
> on vertical antennas. This will be semi-permanent for my use in my
> house. I do not want any guy wires or ground radials. I want to be
> able to operate on 6m-180m.
>
> Jim
> N1ODP
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com Unsubscribe:
> ham-antennas-unsubscribe@yahoogroups.com List owner:
> ham-antennas-owner@yahoogroups.com Yahoo! Groups Links
>
>
>

==========END CUT==========

--

19444. Re: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 17:09:25 UTC
From: Dan Schaaf
Topic: 4303 Message: 19444

Jim

I have been using a HyGain AV-640 for years and it really works well. It is a 3/8 wave vertical which has low angle takeoff for DXing. No radials to lay on the ground.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: Dave Cole
To: ham-antennas@yahoogroups.com
Sent: Friday, August 26, 2011 1:04 PM
Subject: Re: [ham-antennas] Vertical Antenna

Hi Jim,

I wish you good luck in this endeavor... As far as I know the only thing that is close is a vertical dipole, and that only operates on one band...

I also wanted an antenna like that, but have not been able to find it. The closest I have found is a Gap Challenger. Works fine, has only three radials, and in theory does not need guys. I have added guys, but they say it does not need them.

Dave
NK7Z

==========CUT==========
On Fri, 26 Aug 2011 16:17:33 -0000
"Jim" <ROCKETMAN@...> wrote:

> I just bought an ICOM IC-7000 and I would like some recommendations
> on vertical antennas. This will be semi-permanent for my use in my
> house. I do not want any guy wires or ground radials. I want to be
> able to operate on 6m-180m.
>
> Jim
> N1ODP
>
>
>
> ------------------------------------
>

> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com Unsubscribe:
> ham-antennas-unsubscribe@yahoogroups.com List owner:
> ham-antennas-owner@yahoogroups.com Yahoo! Groups Links
>
>
>

==========END CUT==========

--

[Non-text portions of this message have been removed]

19445. Re: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 19:21:11 UTC
From: Timothy-Allen Albertson
Topic: 19421 Message: 19445

now if we could get Red Green to do some antenna engineering we'd be in goods shape

On Fri, Aug 26, 2011 at 10:46 AM, James Irving <k9jfk@...> wrote:

> **
>
>
> Well Ken... you can't use 50 radials on your car when driving... I know
> this for a fact. However, have you ever seen the Red Green Show on PBS?
> You ever see the episode were he used duct tape to put 6 or 8 cars together,
> so everyone could "car pool", but still use their own car? Much better
> chance of using radials in that situation if you can find a couple of
> neighbor hams going in the same direction!
>
> On a more serious note, how much does the noise level change in the radio
> after the car is started? That is the noise you should be able to eliminate
> further by panel bonding, electrical bypassing, and filtering of various
> electrics in the vehicle. Anything that is there before the car is started
> is atmospheric rf; noise level should be the same on a vertical on a fixed
> station at that location, maybe even higher with a larger vertical. Radials
> make an antenna more efficient... so noise levels will increase in signal
> strength.... nature of the beast.
>
> Jim, K9JFK
>
> _____
> From: "ken.k6kaw@..." <ken.k6kaw@...>
> To: Ham Radio Antenna <ham-antennas@yahoogroups.com>
> Sent: Thursday, August 25, 2011 1:11 PM
> Subject: Re: [ham-antennas] Ham Stick Antennas
>
>
> I guess I forgot to state that this is on my car!!
>
> □
> 73
> Ken
> K6KAW
> 925-594-1677
> AIM K6KAW
> Skype ken.k6kaw
> -------Original Message-------
>

> From: Ron Youvan
> Date: 8/25/2011 11:06:59 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Ham Stick Antennas
>
> ken.k6kaw@... wrote:
>
> > What can I do to improve the receive performance of these antennas? I
> know
> > operating on verticals is inherently noisy but there has to be a way of
> > moderating this high noise...
>
> > I also know that the front end of my radio is not the best < FT-857d >.
> How
> > about a Capacity Hat. And how would I go about that?
>
> Wrong end, how about a hundred radials? How about putting it up over your
> house.
> --
> Ron KA4INM - Mistakes are often the stepping stones to utter failure.
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

--
73 DE TIM KD∅OIA

[Non-text portions of this message have been removed]

19446. Inverted V vs (end fed) Sloper Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 20:13:10 UTC
From: rrath
Topic: 19446 Message: 19446

What is the performance difference between
the Inverted V and the end fed Sloper
antennas?

Is one better than the other in a high noise
(RFI) (10 to 20db) area? (80 meter band)

Thank you.
Rod kc7vqr

19447. RE: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 20:41:03 UTC
From: Richard Schmuke
Topic: 19421 Message: 19447

Dean, a “Ugly Balun” did help the loops at K2HT and KD0ZZ’s, it brought the SWR down a little at each place. We use about 5 or 6 turns of RG-8X with a little tape right below the balun. I added a tie-wrap around the ugly balun and then back up to the balun box so it did not load the coax. Below the balun it changes to RG-8 with solid dielectric so it is heavy.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of dean
Sent: Friday, August 26, 2011 11:12 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Ham Stick Antennas

I have a large roll of RG-8X on my back porch. I think I’ll put an “UGLY BALUN” http://www.hamuniverse.com/balun.html at the end of the coax. Not even sure if it’ll make a difference but it’ll be fun making it.

73, WY6L

There are no strangers here only friends I haven’t met

From: James Irving
Sent: Friday, August 26, 2011 8:46 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Ham Stick Antennas

Well Ken... you can't use 50 radials on your car when driving... I know this for a fact. However, have you ever seen the Red Green Show on PBS? You ever see the episode were he used duct tape to put 6 or 8 cars together, so everyone could "car pool", but still use their own car? Much better chance of using radials in that situation if you can find a couple of neighbor hams going in the same direction!

On a more serious note, how much does the noise level change in the radio after the car is started? That is the noise you should be able to eliminate further by panel bonding, electrical bypassing, and filtering of various electrics in the vehicle. Anything that is there before the car is started is atmospheric rf; noise level should be the same on a vertical on a fixed station at that location, maybe even higher with a larger vertical. Radials make an antenna more efficient... so noise levels will increase in signal strength.... nature of the beast.

Jim, K9JFK

_____
From: "mailto:ken.k6kaw%40gmail.com" <mailto:ken.k6kaw%40gmail.com>
To: Ham Radio Antenna <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, August 25, 2011 1:11 PM
Subject: Re: [ham-antennas] Ham Stick Antennas

I guess I forgot to state that this is on my car!!

□
73
Ken
K6KAW
925-594-1677
AIM K6KAW
Skype ken.k6kaw
-------Original Message-------

From: Ron Youvan
Date: 8/25/2011 11:06:59 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Ham Stick Antennas

mailto:ken.k6kaw%40gmail.com wrote:

> What can I do to improve the receive performance of these antennas? I know
> operating on verticals is inherently noisy but there has to be a way of
> moderating this high noise...

> I also know that the front end of my radio is not the best < FT-857d >.
How
> about a Capacity Hat. And how would I go about that?

Wrong end, how about a hundred radials? How about putting it up over your
house.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19448. RE: [ham-antennas] Re: how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 20:58:25 UTC
From: Richard Schmuke
Topic: 19432 Message: 19448

I made it and it works fine. I did not space mine far apart on the ends because I needed the spacers to keep the wires from twisting in the high wind we get here.
http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg

If you zoom in on the picture you will see a dipole center support and RG-8 coax holder that requires no clamp. Tell the XYL you are making a variable length resting perch for the birds.

Rich , Kd0zz

Subject: Re: [ham-antennas] Re: how to connect 450 ladderline to coax

No 450 ohm ladder line but I do like this dipole. I’m thinking of building it but first I have to sweet talk the XYL out of the $$$$ for the wire.

http://www.hamuniverse.com/multidipole.html

73, WY6L

From: James
Sent: Friday, August 26, 2011 9:01 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: how to connect 450 ladderline to coax

Hi...

I've always liked this design... never built one, and probably never will... but I like it.

http://www.w5dxp.com/notuner.htm

If you've got the trees and some space for the ladderline, it looks really good.

Jim, K9JFK

--- In mailto:ham-antennas%40yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> I have a 102-ft doublet (probably shorter than your 80 M dipole) fed with
> 450-ohm ladder line. I run the ladder line to a 9:1 balun, thence to a
> short run of coax to the antenna tuner. I also tried a 4:1 balun, with
> essentially identical results. (Slightly different numbers, but no better
> or worse.) I stuck with the 9:1 because it is easier to mount and connect
> to.
>
> I work all bands from 80 to 6 with fairly low SWR (except 15, which doesn't
> tune at all well).
>
> Hope that helps.
>

> 73, Frank
>
> On Thu, Aug 25, 2011 at 3:41 PM, elbertm <elbertmason@...> wrote:
>
> > **
> >
> >
> > Hello to everyone.
> >
> > I am new to using 450 ladderline and need info on how to connect or splice
> > the line to the coax.
> >
> > I plan on building a 80 meter dipole (inverted v) and using 450 ladderline
> > up to the shack then connect to coax, to inter the building.
> >
> > Will I need some type of balun and where would I install it?
> >
> > If there is a web page somewhere on the internet that shows all of this, I
> > would appreciate it.
> >
> > I have an auto tuner.
> >
> > Any info, etc. will be appreciated.
> > Thanks
> > KC4YFA
> >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19449. Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 21:00:28 UTC
From: urei
Topic: 19421 Message: 19449

Duct tape dipole anyone? Easy to trim, just tear off a few inches.

--- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson <kd0oia@...> wrote:
>
> now if we could get Red Green to do some antenna engineering we'd be in
> goods shape
>

19450. RE: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 21:24:24 UTC
From: jo barden
Topic: 19421 Message: 19450

actually can do it with the aluminum window alarm tape or the self adhesive copper tape used by stained glass people and gardeners (stops slugs climbing up stem when a bit is put on stem) my wife is keen gardener.

The window alarm tape is an old dodge to get stealth antenna on window and comes with terminal posts to connect to.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: ureii@...
Date: Fri, 26 Aug 2011 21:00:28 +0000
Subject: [ham-antennas] Re: Ham Stick Antennas

Duct tape dipole anyone? Easy to trim, just tear off a few inches.

--- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson <kd0oia@...> wrote:

>

> now if we could get Red Green to do some antenna engineering we'd be in

> goods shape

>

[Non-text portions of this message have been removed]

19451. Re: [ham-antennas] Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 21:46:58 UTC
From: dean
Topic: 19421 Message: 19451

I’m thinking of making one with 18 – 21 Ft of RG-8X and put that in line. I’ll let everyone know if it works.

73, WY6L

There are no strangers here only friends I’ve never met.

From: Richard Schmuke
Sent: Friday, August 26, 2011 1:41 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Ham Stick Antennas

Dean, a “Ugly Balun” did help the loops at K2HT and KD0ZZ’s, it brought the SWR down a little at each place. We use about 5 or 6 turns of RG-8X with a little tape right below the balun. I added a tie-wrap around the ugly balun and then back up to the balun box so it did not load the coax. Below the balun it changes to RG-8 with solid dielectric so it is heavy.

Rich , Kd0zz

From: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] On Behalf Of dean
Sent: Friday, August 26, 2011 11:12 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Ham Stick Antennas

I have a large roll of RG-8X on my back porch. I think I’ll put an “UGLY BALUN” http://www.hamuniverse.com/balun.html at the end of the coax. Not even sure if it’ll make a difference but it’ll be fun making it.

73, WY6L

There are no strangers here only friends I haven’t met

From: James Irving
Sent: Friday, August 26, 2011 8:46 AM
To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Ham Stick Antennas

Well Ken... you can't use 50 radials on your car when driving... I know this for a fact. However, have you ever seen the Red Green Show on PBS? You ever see the episode were he used duct tape to put 6 or 8 cars together, so everyone could "car pool", but still use their own car? Much better chance of using radials in that situation if you can find a couple of neighbor hams going in the same direction!

On a more serious note, how much does the noise level change in the radio after the car is started? That is the noise you should be able to eliminate further by panel bonding, electrical bypassing, and filtering of various electrics in the vehicle. Anything that is there before the car is started is atmospheric rf; noise level should be the same on a

vertical on a fixed station at that location, maybe even higher with a larger vertical. Radials make an antenna more efficient... so noise levels will increase in signal strength.... nature of the beast.

Jim, K9JFK

From: "mailto:ken.k6kaw%40gmail.com" <mailto:ken.k6kaw%40gmail.com>
To: Ham Radio Antenna <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, August 25, 2011 1:11 PM
Subject: Re: [ham-antennas] Ham Stick Antennas

I guess I forgot to state that this is on my car!!

☐
73
Ken
K6KAW
925-594-1677
AIM K6KAW
Skype ken.k6kaw
-------Original Message-------

From: Ron Youvan
Date: 8/25/2011 11:06:59 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Ham Stick Antennas

mailto:ken.k6kaw%40gmail.com wrote:

> What can I do to improve the receive performance of these antennas? I know
> operating on verticals is inherently noisy but there has to be a way of
> moderating this high noise...

> I also know that the front end of my radio is not the best < FT-857d >.
How
> about a Capacity Hat. And how would I go about that?

Wrong end, how about a hundred radials? How about putting it up over your house.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19452. Re: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 22:22:43 UTC
From: Jim Whitaker
Topic: 4303 Message: 19452

Well when they develop room temperature superconductors I'll build myself the perfect small vertical antenna, until then I'll just compromise I guess...

DE Jim N8XYN

"I wish you good luck in this endeavor... As far as I know the only thing that is close is a vertical dipole, and that only operates on one band... "

[Non-text portions of this message have been removed]

19453. AW: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-26 22:49:01 UTC
From: Siegfried Jackstien
Topic: 19421 Message: 19453

Didnt know that coppertape Stopps slugs ... another lesson learned :-)
Greetz
Sigi
Dg9bfc
Ps ask your wife if a piece of (bare) copper wire or a piece of coax shield
(if made from copper) would also work ... would ANY copper work?

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jo barden
> Gesendet: Freitag, 26. August 2011 21:24
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Re: Ham Stick Antennas
>
>
> actually can do it with the aluminum window alarm tape or the self
> adhesive copper tape used by stained glass people and gardeners (stops
> slugs climbing up stem when a bit is put on stem) my wife is keen
> gardener.
>
> The window alarm tape is an old dodge to get stealth antenna on window and
> comes with terminal posts to connect to.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: ureii@...
> Date: Fri, 26 Aug 2011 21:00:28 +0000
> Subject: [ham-antennas] Re: Ham Stick Antennas
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Duct tape dipole anyone? Easy to trim, just tear off a few inches.
>
>
>
> --- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson <kd0oia@...>
> wrote:
>
> >
>
> > now if we could get Red Green to do some antenna engineering we'd be in
>
> > goods shape
>
> >
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19454. RE: [ham-antennas] Vertical Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 02:41:48 UTC
From: Sourav
Topic: 4303 Message: 19454

Hi,

Any one has got any experience with “chameleon V4” antenna on portable.

Can it tune to 40m & 20m too (can be seen in some youtube videos) !!...the specs say can work from 20 MHz to 300 MHz only.

Any views ?

73’s

S.R.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Whitaker
Sent: 27 August 2011 AM 03:53
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna

Well when they develop room temperature superconductors I’ll build myself the perfect small vertical antenna, until then I’ll just compromise I guess...

DE Jim N8XYN

”I wish you good luck in this endeavor... As far as I know the only
thing that is close is a vertical dipole, and that only operates on one
band... “

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19455. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 02:44:30 UTC
From: van wd8aam
Topic: 19421 Message: 19455

Sure, just stick a strip of aluminum foil to the duct
tape, run to a center insulator, and away you go. A
tear off antenna.
van
wd8aam
'
At 21:00 8/26/2011, you wrote:
>
>
>
>Duct tape dipole anyone? Easy to trim, just tear off a few inches.
>
>--- In
><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com,
>Timothy-Allen Albertson <kd0oia@...> wrote:
> >
> > now if we could get Red Green to do some antenna engineering we'd be in
> > goods shape
> >
>
>

[Non-text portions of this message have been removed]

19456. 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 03:03:22 UTC
From: jayzap57
Topic: 19456 Message: 19456

I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the base.
Would it be a good idea to wind a choke right before the tuner ??

The coax the feeds back to the shack underground is RG213, would it mater if the connection from the antenna to the feed into the house is RG-8 or if I use a choke I make it from RG-8.

Don't have anymore RG213 and this project is replacing a Butternut vertical which used a peice of RG-11 as a matching section so the RG213 does not reach where the DXE will be.

Thanks Jay N1FDX

19457. Re: [ham-antennas] how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 03:04:30 UTC
From: Larry Tooley
Topic: 19432 Message: 19457

How do you use it? Sounds great.

Larry WA9G
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 25, 2011 7:40 PM
Subject: RE: [ham-antennas] how to connect 450 ladderline to coax

Gentlemen , I looked at a 9:1 balun but saw that a lot of people run a 4:1 and some a 1:1 balun. Because I like to make my own things I made two, 1:1 rod type baluns side by side and then made it switchable between a 1:1 or a
4:1 balun. It was easier to do it this way than use a 9:1 and make it switchable. My switchable balun is inside on my windowsill then to the 450 ohm window feed thru.

Rich , Kd0zz

Subject: Re: [ham-antennas] how to connect 450 ladderline to coax

I have a 102-ft doublet (probably shorter than your 80 M dipole) fed with 450-ohm ladder line. I run the ladder line to a 9:1 balun, thence to a short run of coax to the antenna tuner. I also tried a 4:1 balun, with essentially identical results. (Slightly different numbers, but no better or worse.) I stuck with the 9:1 because it is easier to mount and connect to.

I work all bands from 80 to 6 with fairly low SWR (except 15, which doesn't
tune at all well).

Hope that helps.

73, Frank

On Thu, Aug 25, 2011 at 3:41 PM, elbertm <elbertmason@...
<mailto:elbertmason%40yahoo.com> > wrote:

> **
>
>
> Hello to everyone.
>
> I am new to using 450 ladderline and need info on how to connect or splice
> the line to the coax.

>
> I plan on building a 80 meter dipole (inverted v) and using 450
ladderline
> up to the shack then connect to coax, to inter the building.
>
> Will I need some type of balun and where would I install it?
>
> If there is a web page somewhere on the internet that shows all of this,
I
> would appreciate it.
>
> I have an auto tuner.
>
> Any info, etc. will be appreciated.
> Thanks
> KC4YFA
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19458. Re: [ham-antennas] 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 03:08:29 UTC
From: Dennis Mingear
Topic: 19456 Message: 19458

No choke between the tuner and the antenna, but you will need to choke both the input coax and the control cable, at least that's been my experience with the AH-4.

Denny ... AI6R

From: jayzap57 <n1fdx@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, August 26, 2011 8:03 PM
Subject: [ham-antennas] 43' vertical antenna project questions

I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the base.
Would it be a good idea to wind a choke right before the tuner ??

The coax the feeds back to the shack underground is RG213, would it mater if the connection from the antenna to the feed into the house is RG-8 or if I use a choke I make it from RG-8.

Don't have anymore RG213 and this project is replacing a Butternut vertical which used a peice of RG-11 as a matching section so the RG213 does not reach where the DXE will be.

Thanks Jay N1FDX

[Non-text portions of this message have been removed]

19459. RE: AW: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 07:00:56 UTC
From: jo barden
Topic: 19421 Message: 19459

Hi Sigi

Snails and Slugs get a shock from the copper so yes any coax sheilding etc would work, it doesn't work with cabbage white butterfly caterpillars though as we have loads of them!

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: siegfried.jackstien@...
Date: Fri, 26 Aug 2011 22:49:01 +0000
Subject: AW: [ham-antennas] Re: Ham Stick Antennas

Didnt know that coppertape Stopps slugs ... another lesson learned :-)

Greetz

Sigi

Dg9bfc

Ps ask your wife if a piece of (bare) copper wire or a piece of coax shield

(if made from copper) would also work ... would ANY copper work?

> -----Urspr?ngliche Nachricht-----

> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im

> Auftrag von jo barden

> Gesendet: Freitag, 26. August 2011 21:24

> An: ham-antennas@yahoogroups.com

> Betreff: RE: [ham-antennas] Re: Ham Stick Antennas

>

>

> actually can do it with the aluminum window alarm tape or the self

> adhesive copper tape used by stained glass people and gardeners (stops

> slugs climbing up stem when a bit is put on stem) my wife is keen

> gardener.

>

> The window alarm tape is an old dodge to get stealth antenna on window and

> comes with terminal posts to connect to.

>

> Jon

>

> G6UWK

>

> To: ham-antennas@...m

> From: ureii@...

> Date: Fri, 26 Aug 2011 21:00:28 +0000

> Subject: [ham-antennas] Re: Ham Stick Antennas

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> Duct tape dipole anyone? Easy to trim, just tear off a few inches.

>

>

>

> --- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson <kd0oia@...>

> wrote:

>

> >

>

> > now if we could get Red Green to do some antenna engineering we'd be in

>

> > goods shape

>

> >

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> ------------------------------------

>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be

> cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links

>

>

>

[Non-text portions of this message have been removed]

19460. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 08:30:56 UTC
From: dean
Topic: 19421 Message: 19460

12 bore 5'

73, WY6L

-----Original Message-----
From: jo barden
Sent: Saturday, August 27, 2011 12:00 AM
To: ham-antennas@yahoogroups.com
Subject: RE: AW: [ham-antennas] Re: Ham Stick Antennas

Hi Sigi

Snails and Slugs get a shock from the copper so yes any coax sheilding etc
would work, it doesn't work with cabbage white butterfly caterpillars though
as we have loads of them!

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: siegfried.jackstien@...
Date: Fri, 26 Aug 2011 22:49:01 +0000
Subject: AW: [ham-antennas] Re: Ham Stick Antennas

Didnt know that coppertape Stopps slugs ... another lesson learned :-)

Greetz

Sigi

Dg9bfc

Ps ask your wife if a piece of (bare) copper wire or a piece of coax shield

(if made from copper) would also work ... would ANY copper work?

> -----Urspr?ngliche Nachricht-----

> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im

> Auftrag von jo barden

> Gesendet: Freitag, 26. August 2011 21:24

> An: ham-antennas@yahoogroups.com

> Betreff: RE: [ham-antennas] Re: Ham Stick Antennas

>

>

> actually can do it with the aluminum window alarm tape or the self

> adhesive copper tape used by stained glass people and gardeners (stops

> slugs climbing up stem when a bit is put on stem) my wife is keen

> gardener.

>

> The window alarm tape is an old dodge to get stealth antenna on window and

> comes with terminal posts to connect to.

>

> Jon

>

> G6UWK

>

> To: ham-antennas@yahoogroups.com

> From: ureii@...

> Date: Fri, 26 Aug 2011 21:00:28 +0000

> Subject: [ham-antennas] Re: Ham Stick Antennas

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> Duct tape dipole anyone? Easy to trim, just tear off a few inches.

>

>

>

> --- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson <kd0oia@...>

> wrote:

>

> >

>

> > now if we could get Red Green to do some antenna engineering we'd be in

>

> > goods shape

>

> >

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> ------------------------------------

>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be

> cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19461. Web site with circuits

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 10:06:10 UTC
From: jo barden
Topic: 19409 Message: 19461

Hi all

I found this web site awhile ago but may be of use to people, free circuits/projects there is a small bit on radio but may be of interest?

http://www.epemag3.com/index.php?option=com_docman&task=cat_view&gid=55&Itemid=38

Jon

G6UWK

[Non-text portions of this message have been removed]

19462. Re: Inverted V vs (end fed) Sloper Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 10:50:23 UTC
From: g4ldsqrp
Topic: 19446 Message: 19462

What do you want to work will help sort out the best aerial, rag chewing or Dxing or a mixture??

Chris
G4LDS

--- In ham-antennas@yahoogroups.com, "rrath" <rrath@...> wrote:
>
> What is the performance difference between
> the Inverted V and the end fed Sloper
> antennas?
>
> Is one better than the other in a high noise
> (RFI) (10 to 20db) area? (80 meter band)
>
> Thank you.
> Rod kc7vqr
>

19463. Re: 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 11:21:27 UTC
From: Jim
Topic: 19456 Message: 19463

What actual model number DXE antenna are you using?

Jim
N1ODP

--- In ham-antennas@yahoogroups.com, "jayzap57" <n1fdx@...> wrote:
>
> I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the base.
> Would it be a good idea to wind a choke right before the tuner ??
>
> The coax the feeds back to the shack underground is RG213, would it mater if the connection from the antenna to the feed into the house is RG-8 or if I use a choke I make it from RG-8.
>
> Don't have anymore RG213 and this project is replacing a Butternut vertical which used a peice of RG-11 as a matching section so the RG213 does not reach where the DXE will be.
>
> Thanks Jay N1FDX
>

19464. RE: [ham-antennas] Re: 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 11:58:47 UTC
From: Jay
Topic: 19456 Message: 19464

Hi Jim,

I bought the MBVE-1 with the radial plate. Replacing my Butternut HF9V.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim
Sent: Saturday, August 27, 2011 7:21 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 43' vertical antenna project questions

What actual model number DXE antenna are you using?

Jim
N1ODP

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>, "jayzap57" <n1fdx@...> wrote:
>
> I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the base.
> Would it be a good idea to wind a choke right before the tuner ??
>
> The coax the feeds back to the shack underground is RG213, would it mater if the connection from the antenna to the feed into the house is RG-8 or if I use a choke I make it from RG-8.
>
> Don't have anymore RG213 and this project is replacing a Butternut vertical which used a peice of RG-11 as a matching section so the RG213 does not reach where the DXE will be.
>
> Thanks Jay N1FDX
>

[Non-text portions of this message have been removed]

19465. RE: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 12:06:52 UTC
From: Richard Schmuke
Topic: 19421 Message: 19465

The common "duck" tape, named that because water ran off like a ducks back. First used and named back in WW2. Real duct tape used on H&C duct work is alum.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of van wd8aam
Sent: Friday, August 26, 2011 9:45 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Ham Stick Antennas

Sure, just stick a strip of aluminum foil to the duct tape, run to a center insulator, and away you go. A tear off antenna.
van
wd8aam
'
At 21:00 8/26/2011, you wrote:
>
>
>
>Duct tape dipole anyone? Easy to trim, just tear off a few inches.
>
>--- In
><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> ,
>Timothy-Allen Albertson <kd0oia@...> wrote:
> >
> > now if we could get Red Green to do some antenna engineering we'd be in
> > goods shape
> >
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19466. RE: [ham-antennas] Re: 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 12:08:14 UTC
From: goldtr8@charter.net
Topic: 19456 Message: 19466

Jay,

I was just reading up on the butternuts, why are you changing.

Is it not as good as advertized???

~73
Don
KD8NNU

On Sat, Aug 27, 2011 at 7:58 AM, Jay wrote:

Hi Jim,

I bought the MBVE-1 with the radial plate. Replacing my Butternut HF9V.

From: ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
[mailto: ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
] On
Behalf Of Jim
Sent: Saturday, August 27, 2011 7:21 AM
To: ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
Subject: [ham-antennas] Re: 43' vertical antenna project questions

What actual model number DXE antenna are you using?

Jim
N1ODP

--- In ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<mailto:ham-antennas%40yahoogroups.com>
, "jayzap57" <n1fdx@...> wrote:
>
> I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the
> base. Would it be a good idea to wind a choke right before the tuner
> ??
> The coax the feeds back to the shack underground is RG213, would it
> mater
if the connection from the antenna to the feed into the house is RG-8 or
if
I use a choke I make it from RG-8.
>
> Don't have anymore RG213 and this project is replacing a Butternut

vertical which used a peice of RG-11 as a matching section so the RG213
does
not reach where the DXE will be.
>
> Thanks Jay N1FDX

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

19467. RE: [ham-antennas] how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 12:21:48 UTC
From: Richard Schmuke
Topic: 19432 Message: 19467

The switchable balun is between my tuner and window feed thru. Checked all the bands, I picked which setting work best for each band, added that information to my amp tuning chart. The built in balun in my MFJ tuner did not get 1:1 on all the bands so I made my own. The balun is shown at the following links.

http://i1102.photobucket.com/albums/g453/KD0ZZ/4to11to11.jpg

http://i1102.photobucket.com/albums/g453/KD0ZZ/EndView-1.jpg

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Larry Tooley
Sent: Friday, August 26, 2011 10:05 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] how to connect 450 ladderline to coax

How do you use it? Sounds great.

Larry WA9G
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, August 25, 2011 7:40 PM
Subject: RE: [ham-antennas] how to connect 450 ladderline to coax

Gentlemen , I looked at a 9:1 balun but saw that a lot of people run a 4:1 and some a 1:1 balun. Because I like to make my own things I made two, 1:1 rod type baluns side by side and then made it switchable between a 1:1 or a
4:1 balun. It was easier to do it this way than use a 9:1 and make it switchable. My switchable balun is inside on my windowsill then to the 450 ohm window feed thru.

Rich , Kd0zz

Subject: Re: [ham-antennas] how to connect 450 ladderline to coax

I have a 102-ft doublet (probably shorter than your 80 M dipole) fed with 450-ohm ladder line. I run the ladder line to a 9:1 balun, thence to a short run of coax to the antenna tuner. I also tried a 4:1 balun, with essentially identical results. (Slightly different numbers, but no better or worse.) I stuck with the 9:1 because it is easier to mount and connect to.

I work all bands from 80 to 6 with fairly low SWR (except 15, which doesn't

tune at all well).

Hope that helps.

73, Frank

On Thu, Aug 25, 2011 at 3:41 PM, elbertm <elbertmason@...
<mailto:elbertmason%40yahoo.com>
<mailto:elbertmason%40yahoo.com> > wrote:

> **
>
>
> Hello to everyone.
>
> I am new to using 450 ladderline and need info on how to connect or
splice
> the line to the coax.
>
> I plan on building a 80 meter dipole (inverted v) and using 450
ladderline
> up to the shack then connect to coax, to inter the building.
>
> Will I need some type of balun and where would I install it?
>
> If there is a web page somewhere on the internet that shows all of this,
I
> would appreciate it.
>
> I have an auto tuner.
>
> Any info, etc. will be appreciated.
> Thanks
> KC4YFA
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19468. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 12:47:51 UTC
From: Jon Ermels
Topic: 19421 Message: 19468

Rich, you dated yourself. Original tape used to seal duct work in what was only heating at that time was asbestos based that was pasted on. Later came the sticky grey duct tape common for HVAC uses. I remember when the aluminum tape came out. What a wonderful thing is is, and looks professional to boot. I had heard the story about "duck" tape originated for use on Army Ducks but always thought the imported Duck tape was a misspelling because most people pronounced "duct" tape that way. Any way, just a little more info.

73 de NØIGU
Jon

>_____
>From: Richard Schmuke <rdj@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, August 27, 2011 7:06 AM
>Subject: RE: [ham-antennas] Re: Ham Stick Antennas
>
>The common "duck" tape, named that because water ran off like a ducks back.
>First used and named back in WW2. Real duct tape used on H&C duct work is
>alum.
>
>Rich, Kd0zz
>
>
>
>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
>Behalf Of van wd8aam
>Sent: Friday, August 26, 2011 9:45 PM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Re: Ham Stick Antennas
>
>
>
>
>
>Sure, just stick a strip of aluminum foil to the duct
>tape, run to a center insulator, and away you go. A
>tear off antenna.
>van
>wd8aam
>'
>At 21:00 8/26/2011, you wrote:
>>
>>
>>
>>Duct tape dipole anyone? Easy to trim, just tear off a few inches.

>>
>>--- In
>><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
><mailto:ham-antennas%40yahoogroups.com> ,
>>Timothy-Allen Albertson <kd0oia@...> wrote:
>> >
>> > now if we could get Red Green to do some antenna engineering we'd be in
>> > goods shape
>> >
>>
>>
>
>[Non-text portions of this message have been removed]
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

19469. RE: [ham-antennas] Re: 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 12:57:53 UTC
From: Jay
Topic: 19456 Message: 19469

The Butternut was not a bad antenna at all. It was very narrow on 75-80 which was to be expected but the tuner in the rig would not make up for it so I had to stick to either the Phone or CW part of the that band. Seem to work Ok on most of the other bands. I made the W5GI Mystery antenna http://www.iw5edi.com/technical-articles/w5gi-mystery-antenna and it seem to perform as well or better most of the time on all bands. The tuner in the rig tune all of 75-80m and it cost me nothing to build, the Butternut was $460.

As for the construction it is a bit lightweight for the New England winters, it had me really worried last winter.

So anyway I owned an Icom AH-4 remote tuner so I thought I would give something else I try. After reading the reviews on the 43ft vertical it seems like they working well on 20m on down.

That’s my story. Hope it’s not a mistake, we’ll see once it’s up.

Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of goldtr8@charter.net
Sent: Saturday, August 27, 2011 8:08 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 43' vertical antenna project questions

Jay,

I was just reading up on the butternuts, why are you changing.

Is it not as good as advertized???

~73
Don
KD8NNU

On Sat, Aug 27, 2011 at 7:58 AM, Jay wrote:

Hi Jim,

I bought the MBVE-1 with the radial plate. Replacing my Butternut HF9V.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com> ')>
[mailto: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com> ')>
] On
Behalf Of Jim

Sent: Saturday, August 27, 2011 7:21 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com> ')>
Subject: [ham-antennas] Re: 43' vertical antenna project questions

What actual model number DXE antenna are you using?

Jim
N1ODP

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com> ')>
<mailto:ham-antennas%40yahoogroups.com>
, "jayzap57" <n1fdx@...> wrote:
>
> I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the
> base. Would it be a good idea to wind a choke right before the tuner
> ??
> The coax the feeds back to the shack underground is RG213, would it
> mater
if the connection from the antenna to the feed into the house is RG-8 or
if
I use a choke I make it from RG-8.
>
> Don't have anymore RG213 and this project is replacing a Butternut
vertical which used a peice of RG-11 as a matching section so the RG213
does
not reach where the DXE will be.
>
> Thanks Jay N1FDX

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com> ')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19470. Re: [ham-antennas] Re: Inverted V vs (end fed) Sloper Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 13:41:28 UTC
From: rrath
Topic: 19446 Message: 19470

This would be for emergency communications
at our local City Hall. I am located in the
Yakima Washington and need to be able to
talk to Olympia Washington. Right now we are
using an Inverted V for 80 and 40 meters. The
building is located in the old part of town and
has an RFI noise level of 20 to 30 db 99% of
the time. Olympia can hear us, but we seldom
hear their station. Olympia is North West of us
about 200 miles.

Rod kc7vqr

19471. Re: [ham-antennas] Re: Inverted V vs (end fed) Sloper Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 13:46:59 UTC
From: dean
Topic: 19446 Message: 19471

Why not put up a 40 meter NVIS antenna. Can go out about 300 to 450 miles. I saw one demonstrated in Fresno, CA and the other end was in San Francisco, CA. Nice reception.

73, WY6L

From: rrath
Sent: Saturday, August 27, 2011 6:41 AM
To: g4ldsqrp ; ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Inverted V vs (end fed) Sloper Antenna

This would be for emergency communications
at our local City Hall. I am located in the
Yakima Washington and need to be able to
talk to Olympia Washington. Right now we are
using an Inverted V for 80 and 40 meters. The
building is located in the old part of town and
has an RFI noise level of 20 to 30 db 99% of
the time. Olympia can hear us, but we seldom
hear their station. Olympia is North West of us
about 200 miles.

Rod kc7vqr

[Non-text portions of this message have been removed]

19472. A little Off Topic.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 14:35:42 UTC
From: Joe
Topic: 19472 Message: 19472

But I hope someone can help me here.

I remember in the "Old Days" QST used to have these predicted propagation maps. It was like where you can look and estimate when the best time would be to talk to like europe or Hawaii or whatever.

I bet there is something like this online now. anyone know where?

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

19473. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 14:55:40 UTC
From: James Irving
Topic: 19421 Message: 19473

Well, we swerved a little bit when we went to Red Green and duct tape, but the latest couple of ideas are pretty good. Some sort of aluminum or copper tape over a small diameter rope would make a strong and light emergency antenna... don't know how long it would hold up in the weather. Might even be able to use surveyors string ... its cheap, light, and very strong for its size; parachute cord would be another candidate. Aluminum tape is commonly sold in hardware stores for sealing duct work.

Jim, K9JFK

From: jo barden <jobarden422@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, August 26, 2011 4:24 PM
Subject: RE: [ham-antennas] Re: Ham Stick Antennas

actually can do it with the aluminum window alarm tape or the self adhesive copper tape used by stained glass people and gardeners (stops slugs climbing up stem when a bit is put on stem) my wife is keen gardener.

The window alarm tape is an old dodge to get stealth antenna on window and comes with terminal posts to connect to.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: ureii@...
Date: Fri, 26 Aug 2011 21:00:28 +0000
Subject: [ham-antennas] Re: Ham Stick Antennas

Duct tape dipole anyone? Easy to trim, just tear off a few inches.

--- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson <kd0oia@...> wrote:

>

> now if we could get Red Green to do some antenna engineering we'd be in

> goods shape

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

19474. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 15:04:49 UTC
From: James Irving
Topic: 19421 Message: 19474

Nice idea, Van. I like that idea better than the foil tapes... common materials used in an uncommon way. Do it over some cord and it would be a very portable and flexible emergency antenna... Jim, K9JFK

From: van wd8aam <vlincoln@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, August 26, 2011 9:44 PM
Subject: Re: [ham-antennas] Re: Ham Stick Antennas

Sure, just stick a strip of aluminum foil to the duct
tape, run to a center insulator, and away you go. A
tear off antenna.
van
wd8aam
'
At 21:00 8/26/2011, you wrote:
>
>
>
>Duct tape dipole anyone? Easy to trim, just tear off a few inches.
>
>--- In
><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com,
>Timothy-Allen Albertson <kd0oia@...> wrote:
> >
> > now if we could get Red Green to do some antenna engineering we'd be in
> > goods shape
> >
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19475. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 15:04:51 UTC
From: Dean Moore
Topic: 19421 Message: 19475

What's wrong with plain old No. 14 stranded copper wire that was left over from that last job, then we rolled it up and threw it over in the corner of our workshop? Don't everyone have that kind of stuff lying around? So we're back to a simple wire dipole---what could be simpler?

Dean, CD5846, Ex-ZP6XD

James Irving wrote:
>
>
> Well, we swerved a little bit when we went to Red Green and duct tape,
> but the latest couple of ideas are pretty good. Some sort of aluminum
> or copper tape over a small diameter rope would make a strong and light
> emergency antenna... don't know how long it would hold up in the
> weather. Might even be able to use surveyors string ... its cheap,
> light, and very strong for its size; parachute cord would be another
> candidate. Aluminum tape is commonly sold in hardware stores for
> sealing duct work.
>
> Jim, K9JFK
>
> _____
> From: jo barden <jobarden422@... <mailto:jobarden422%40msn.com>>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Friday, August 26, 2011 4:24 PM
> Subject: RE: [ham-antennas] Re: Ham Stick Antennas
>
> actually can do it with the aluminum window alarm tape or the self
> adhesive copper tape used by stained glass people and gardeners (stops
> slugs climbing up stem when a bit is put on stem) my wife is keen gardener.
>
> The window alarm tape is an old dodge to get stealth antenna on window
> and comes with terminal posts to connect to.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> From: ureii@... <mailto:ureii%40yahoo.com>
> Date: Fri, 26 Aug 2011 21:00:28 +0000
> Subject: [ham-antennas] Re: Ham Stick Antennas
>
>
>

>
>
>
>
>
> Duct tape dipole anyone? Easy to trim, just tear off a few inches.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Timothy-Allen Albertson
> <kd0oia@...> wrote:
>
> >
>
> > now if we could get Red Green to do some antenna engineering we'd be in
>
> > goods shape
>
> >
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>

19476. Re: A little Off Topic.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 15:05:53 UTC
From: wa5pse
Topic: 19472 Message: 19476

Don't know hw far back the good old days go back for you...for mw they go back to the spring of '66 when WN5PSE first went on the air.

I vaguely remember those maps, but, cannot recall how reliable they were.

I have an iPhone app that takes me to http://www.hamqsl.com/solar.html

Paul has a pretty darned informative website that offers realtime monitoring of a multitude of atmospheric and solar observations and even a summary of current conditions as related to ham bands/MUF...although, I suspect it probably can.

For that, I keep an eye on a dx reflector filtered to just display results for six.

Let us know if you find something...Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
>
> But I hope someone can help me here.
>
> I remember in the "Old Days" QST used to have these predicted
> propagation maps. It was like where you can look and estimate when the
> best time would be to talk to like europe or Hawaii or whatever.
>
> I bet there is something like this online now. anyone know where?
>
> Joe WB9SBD
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
>
> [Non-text portions of this message have been removed]
>

19477. Re: [ham-antennas] OT- Replying the mails

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 15:07:24 UTC
From: Frank Kirschner
Topic: 19188 Message: 19477

Good idea, although there are some potential problems related.

73, Frank

[Non-text portions of this message have been removed]

19478. Re: A little Off Topic.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 15:09:49 UTC
From: wa5pse
Topic: 19472 Message: 19478

Somehow I dropped a line after bands/MUF, that should have said ...I haven't figured out how Paul's site helps me with 6m openings and conditions...

--- In ham-antennas@yahoogroups.com, "wa5pse" <k9qb@...> wrote:
>
> Don't know hw far back the good old days go back for you...for mw they go back to the spring of '66 when WN5PSE first went on the air.
>
> I vaguely remember those maps, but, cannot recall how reliable they were.
>
> I have an iPhone app that takes me to http://www.hamqsl.com/solar.html
>
> Paul has a pretty darned informative website that offers realtime monitoring of a multitude of atmospheric and solar observations and even a summary of current conditions as related to ham bands/MUF...although, I suspect it probably can.
>
> For that, I keep an eye on a dx reflector filtered to just display results for six.
>
> Let us know if you find something...Mike, WA5PSE
>
> --- In ham-antennas@yahoogroups.com, Joe <nss@> wrote:
> >
> >
> > But I hope someone can help me here.
> >
> > I remember in the "Old Days" QST used to have these predicted
> > propagation maps. It was like where you can look and estimate when the
> > best time would be to talk to like europe or Hawaii or whatever.
> >
> > I bet there is something like this online now. anyone know where?
> >
> > Joe WB9SBD
> > --
> >
> > The Original Rolling Ball Clock
> > Idle Tyme
> > Idle-Tyme.com
> > http://www.idle-tyme.com
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

19479. Re: [ham-antennas] 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 15:45:02 UTC
From: James Irving
Topic: 19456 Message: 19479

Hi Jay...

I used to think the air wound choke solution was adequate for keeping rf off the transmission line. After installing my antenna 150ft from the house, I wanted another solution.... found it here at the web pages of Steve, G3TXQ....

http://www.karinya.net/g3txq/chokes/

Look at the reactive impedance of the air chokes versus the resistive impedance of 43 or 31 mix ferrites. I am using 8 beads of 31mix over an rg213 sized coax. That doesn't mean I haven't, or wouldn't use an air wound choke; I just view it as a single band solution. Another reason I switched to ferrites was to reduce additional coax losses caused by increasing the length through air baluns.

I've got the beads at both ends of the transmission line even though it is buried in pvc conduit a foot down. After the installation, my first surprise was the vertical was "quiet". Don't know if that is because of the beads stopping rf shield pick-up or the buried coax, but its a "show stopper". Another ham a couple of miles away often comments on the noise p/u of his vertical and having to switch to his dipole. More often than not, my response is "What noise?"

BTW... Steve is well known for his work on the hexbeam and a tour of those pages makes for good reading....http://www.karinya.net/g3txq/hexbeam/

Jim, K9JFK

From: jayzap57 <n1fdx@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, August 26, 2011 10:03 PM
Subject: [ham-antennas] 43' vertical antenna project questions

I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the base.
Would it be a good idea to wind a choke right before the tuner ??

The coax the feeds back to the shack underground is RG213, would it mater if the connection from the antenna to the feed into the house is RG-8 or if I use a choke I make it from RG-8.

Don't have anymore RG213 and this project is replacing a Butternut vertical which used a peice of RG-11 as a matching section so the RG213 does not reach where the DXE will be.

Thanks Jay N1FDX

[Non-text portions of this message have been removed]

19480. Re: A little Off Topic.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 15:54:41 UTC
From: John
Topic: 19472 Message: 19480

Hi Joe.
I use this small free one from G4ILO http://www.g4ilo.com/voaprop.html

It's very good and gives a reasonable idea of what is happening. The only problem I find is that its size is dependent on the screen resolution which you have set, but then again a lot of programs have that problem!

73,
John G4GCL

19481. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 16:15:07 UTC
From: James Irving
Topic: 19421 Message: 19481

Wellllll..... there's nothing wrong with that... the other was just a short discussion of a "thought experiment." Personally, I absolutely hate some type of wire antennas! Copperweld... now there's a wire from hell! Just trying to keep it straight seems to be an exercise to check your patience and sanity.... one or the other is sure to go, especially if you don't have a helper at the other end. Even the smallest gauges seem to need 100lbs on one end to keep it from springing back to a coil... and the other end needs the strength of a good oak tree to hold it!

Nothing wrong with #14 stranded, or even #16, just need a couple of trees to hold up the ends. I always seem to be one tree short, no matter where I live....

Jim, k9jfk

From: Dean Moore <dean243@gmail.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 27, 2011 10:04 AM
Subject: Re: [ham-antennas] Re: Ham Stick Antennas

What's wrong with plain old No. 14 stranded copper wire that was left over from that last job, then we rolled it up and threw it over in the corner of our workshop? Don't everyone have that kind of stuff lying around? So we're back to a simple wire dipole---what could be simpler?

Dean, CD5846, Ex-ZP6XD

James Irving wrote:
>
>
> Well, we swerved a little bit when we went to Red Green and duct tape,
> but the latest couple of ideas are pretty good. Some sort of aluminum
> or copper tape over a small diameter rope would make a strong and light
> emergency antenna... don't know how long it would hold up in the
> weather. Might even be able to use surveyors string ... its cheap,
> light, and very strong for its size; parachute cord would be another
> candidate. Aluminum tape is commonly sold in hardware stores for
> sealing duct work.
>
> Jim, K9JFK
>
> ---
> From: jo barden <jobarden422@... <mailto:jobarden422%40msn.com>>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Friday, August 26, 2011 4:24 PM
> Subject: RE: [ham-antennas] Re: Ham Stick Antennas
>

> actually can do it with the aluminum window alarm tape or the self
> adhesive copper tape used by stained glass people and gardeners (stops
> slugs climbing up stem when a bit is put on stem) my wife is keen gardener.
>
> The window alarm tape is an old dodge to get stealth antenna on window
> and comes with terminal posts to connect to.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> From: ureii@... <mailto:ureii%40yahoo.com>
> Date: Fri, 26 Aug 2011 21:00:28 +0000
> Subject: [ham-antennas] Re: Ham Stick Antennas
>
>
>
>
>
>
>
>
>
> Duct tape dipole anyone? Easy to trim, just tear off a few inches.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Timothy-Allen Albertson
> <kd0oia@...> wrote:
>
> >
>
> > now if we could get Red Green to do some antenna engineering we'd be in
>
> > goods shape
>
> >
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies

> go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

19482. RE: [ham-antennas] 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 16:22:08 UTC
From: Jay
Topic: 19456 Message: 19482

I think I've seen that graphic, I guess the air wound is limited. I'm not sure what "8 beads of 31mix" actually means or what or were to buy them. I do have some clamp on style chokes, look like magnet material that I was going to put on the control cable.

I'm mounting the tuner in a plastic enclosure which has plenty of room and had thought about putting a MFJ-915 isolator http://www.mfjenterprises.com/Product.php?productid=MFJ-915 right at the tuner in the box with a short pigtail of RG58 or 8X. Do you think this suits that purpose ?

Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James Irving
Sent: Saturday, August 27, 2011 11:45 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 43' vertical antenna project questions

Hi Jay...

I used to think the air wound choke solution was adequate for keeping rf off the transmission line. After installing my antenna 150ft from the house, I wanted another solution.... found it here at the web pages of Steve, G3TXQ....

http://www.karinya.net/g3txq/chokes/

Look at the reactive impedance of the air chokes versus the resistive impedance of 43 or 31 mix ferrites. I am using 8 beads of 31mix over an rg213 sized coax. That doesn't mean I haven't, or wouldn't use an air wound choke; I just view it as a single band solution. Another reason I switched to ferrites was to reduce additional coax losses caused by increasing the length through air baluns.

I've got the beads at both ends of the transmission line even though it is buried in pvc conduit a foot down. After the installation, my first surprise was the vertical was "quiet". Don't know if that is because of the beads stopping rf shield pick-up or the buried coax, but its a "show stopper". Another ham a couple of miles away often comments on the noise p/u of his vertical and having to switch to his dipole. More often than not, my response is "What noise?"

BTW... Steve is well known for his work on the hexbeam and a tour of those pages makes for good reading....http://www.karinya.net/g3txq/hexbeam/

Jim, K9JFK

From: jayzap57 <n1fdx@... <mailto:n1fdx%40comcast.net> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Friday, August 26, 2011 10:03 PM
Subject: [ham-antennas] 43' vertical antenna project questions

I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the base.
Would it be a good idea to wind a choke right before the tuner ??

The coax the feeds back to the shack underground is RG213, would it mater if the connection from the antenna to the feed into the house is RG-8 or if I use a choke I make it from RG-8.

Don't have anymore RG213 and this project is replacing a Butternut vertical which used a peice of RG-11 as a matching section so the RG213 does not reach where the DXE will be.

Thanks Jay N1FDX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19483. Re: how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 16:50:44 UTC
From: applewiz2000
Topic: 19432 Message: 19483

Sorry for late answer...

Why use 450 ohm to feed an inverted V dipole? The dipole will have impedance 50-70 ohms, a big mismatch. IMO better to use the ant as a doublet, make a 1:1 and fit your ATU between the 450 ohm and the coax.

The auto tuner then matches the 450 ohm to the 50 ohm, and the 1:1 gives you the balance.

73s, Rob.

--- In ham-antennas@yahoogroups.com, "elbertm" <elbertmason@...> wrote:
> Hello to everyone.
>
> I am new to using 450 ladderline and need info on how to connect or splice the line to the coax.
>
> I plan on building a 80 meter dipole (inverted v) and using 450 ladderline up to the shack then connect to coax, to inter the building.
>
> Will I need some type of balun and where would I install it?
>
> If there is a web page somewhere on the internet that shows all of this, I would appreciate it.
>
> I have an auto tuner.

19484. Re: [ham-antennas] Re: Inverted V vs (end fed) Sloper Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 16:53:14 UTC
From: Ron Youvan
Topic: 19446 Message: 19484

<< This would be for emergency communications
at our local City Hall. I am located in the
Yakima Washington and need to be able to
talk to Olympia Washington. Right now we are
using an Inverted V for 80 and 40 meters. The
building is located in the old part of town and
has an RFI noise level of 20 to 30 db 99% of
the time. Olympia can hear us, but we seldom
hear their station. Olympia is North West of us
about 200 miles. >>

Dean WY6L wrote:

> Why not put up a 40 meter NVIS antenna. Can go out about 300 to 450 miles. I saw one demonstrated in
> Fresno, CA and the other end was in San Francisco, CA. Nice reception.

I thought the public buildings were suppose to be manned by 2 meter operators that pass traffic
to HAMs in nearby houses with dipoles and beam antennas on the HF bands. That's the only way I have
heard of it being done here in Florida.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19485. Re: A little Off Topic.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 17:09:11 UTC
From: Steve Yates
Topic: 19472 Message: 19485

Hi Joe,

You can always use the same propagation charts that you are accustom to. The ARRL has them on the web. Here they are:

http://www.arrl.org/propagation

73,
Steve - AA5TB

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
>
> But I hope someone can help me here.
>
> I remember in the "Old Days" QST used to have these predicted
> propagation maps. It was like where you can look and estimate when the
> best time would be to talk to like europe or Hawaii or whatever.
>
> I bet there is something like this online now. anyone know where?
>
> Joe WB9SBD
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com

19486. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 17:15:31 UTC
From: Ron Youvan
Topic: 19421 Message: 19486

James K9JFK Irving wrote:

> Well, we swerved a little bit when we went to Red Green and duct tape, but the latest couple of
> ideas are pretty good. Some sort of aluminum or copper tape over a small diameter rope would make a
> strong and light emergency antenna... don't know how long it would hold up in the weather. Might
> even be able to use surveyors string ... its cheap, light, and very strong for its size; parachute
> cord would be another candidate. Aluminum tape is commonly sold in hardware stores for sealing duct
> work.

As mentioned earlier on this list server there exists a braided cord with stranded copper wire
braided within. The wires can be cut and removed from a point and on. This sounds perfect for
temporary, portable and emergency antennas that would need no end insulators. I would love to build
a complete set for every band with one feedline and balun making a dipole.
(attached with a nut onto bolts on the balun, with sturdy eye lugs on the inner ends of the wires)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19487. Re: [ham-antennas] Re: how to connect 450 ladderline to coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 17:34:38 UTC
From: Ron Youvan
Topic: 19432 Message: 19487

Rob applewiz2000 wrote:

> Why use 450 ohm to feed an inverted V dipole? The dipole will have impedance 50-70 ohms, a big
> mismatch. IMO better to use the ant as a doublet, make a 1:1 and fit your ATU between the 450 ohm
> and the coax.

> The auto tuner then matches the 450 ohm to the 50 ohm, and the 1:1 gives you the balance.

The proposed antenna will work just fine, this mismatch at the antenna is insignificant and as
long as there is a balun at the open wire feedline to coax interface there will be no problem.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19488. RE: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 19:08:05 UTC
From: Richard Schmuke
Topic: 19421 Message: 19488

How dare you insult me and call me old, I am a young man! Until I look in the mirror, then I get scared.

I have used a lot of the alum tape. Have you ever seen a Tesla coil? On the top is a round donut shaped torrid. 6” form 30” dia, It is a large capacitor hat, I have made them with flexible PVC drain pipe then cover it with a couple of layers of alum tape, trying to make it smooth. It then becomes a capacitor on the top of the antenna at 200,000 volts, sort of a spark gap transmitter at low frequency. So I think real alum “duct” tape would work as a antenna.

Yeah I know I am nuts but is more fun than being in control of your facilities.

Rich , KDØZZ , ☺

You're just jealous because the voices only talk to me.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jon Ermels
Sent: Saturday, August 27, 2011 7:48 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Ham Stick Antennas

Rich, you dated yourself. Original tape used to seal duct work in what was only heating at that time was asbestos based that was pasted on. Later came the sticky grey duct tape common for HVAC uses. I remember when the aluminum tape came out. What a wonderful thing is is, and looks professional to boot. I had heard the story about "duck" tape originated for use on Army Ducks but always thought the imported Duck tape was a misspelling because most people pronounced "duct" tape that way. Any way, just a little more info.

73 de NØIGU
Jon

>_____
>From: Richard Schmuke <rdj@... <mailto:rdj%40wildblue.net> >
>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>Sent: Saturday, August 27, 2011 7:06 AM
>Subject: RE: [ham-antennas] Re: Ham Stick Antennas
>
>The common "duck" tape, named that because water ran off like a ducks back.
>First used and named back in WW2. Real duct tape used on H&C duct work is
>alum.
>
>Rich, Kd0zz
>
>
>
>From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On
>Behalf Of van wd8aam
>Sent: Friday, August 26, 2011 9:45 PM
>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>Subject: Re: [ham-antennas] Re: Ham Stick Antennas
>
>
>
>
>
>Sure, just stick a strip of aluminum foil to the duct
>tape, run to a center insulator, and away you go. A
>tear off antenna.
>van
>wd8aam
>'
>At 21:00 8/26/2011, you wrote:
>>
>>
>>
>>Duct tape dipole anyone? Easy to trim, just tear off a few inches.
>>
>>--- In
>><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
><mailto:ham-antennas%40yahoogroups.com> ,
>>Timothy-Allen Albertson <kd0oia@...> wrote:
>> >
>> > now if we could get Red Green to do some antenna engineering we'd be in
>> > goods shape
>> >
>>
>>
>
>[Non-text portions of this message have been removed]
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>---
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

>Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
>List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19489. Re: A little Off Topic.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 20:59:34 UTC
From: AlainMichel
Topic: 19472 Message: 19489

Joe,

If you're looking for HF sites, there are many sites that are really great. Some you already know about; others you can find by just Googling.

There is one GREAT site that I know of that focuses on VHF/UHF propagation:

http://www.dxinfocentre.com/tropo_wam.html

Hope this helps.

Alain

19490. Re: [ham-antennas] A little Off Topic.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 21:10:47 UTC
From: Larry Banks
Topic: 19472 Message: 19490

They are still available to ARRL members. Search for Propagation.

73 -- Larry -- W1DYJ

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 27, 2011 10:35 AM
Subject: [ham-antennas] A little Off Topic.

But I hope someone can help me here.

I remember in the "Old Days" QST used to have these predicted
propagation maps. It was like where you can look and estimate when the
best time would be to talk to like europe or Hawaii or whatever.

I bet there is something like this online now. anyone know where?

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19491. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 23:10:31 UTC
From: James Irving
Topic: 19421 Message: 19491

Hi Ron...

I'm "frugal." If we are talking about the "tinsel wire", as in
....http://www.rajasthanelectric.com/Tinsel_Copper_Wire.htm
I probably wouldn't be interested. Description says it's made from thin copper foil, and if you want it, they'll furnish you with a quote. Sounds to expensive for a "frugal" ham like me!

Much easier to try it out with surveyors cord, duct tape, and aluminum foil. Probably won't look as good, but should be cheap to repair or replace.

Then again, is a copper or stainless steel kitchen scouring pad made from a single strand? I wonder how long it is ......

Jim, K9JFK

The che...., er, "frugal" guy.

From: Ron Youvan <ka4inm@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 27, 2011 12:15 PM
Subject: Re: [ham-antennas] Re: Ham Stick Antennas

James K9JFK Irving wrote:

> Well, we swerved a little bit when we went to Red Green and duct tape, but the latest couple of
> ideas are pretty good. Some sort of aluminum or copper tape over a small diameter rope would make a
> strong and light emergency antenna... don't know how long it would hold up in the weather. Might
> even be able to use surveyors string ... its cheap, light, and very strong for its size; parachute
> cord would be another candidate. Aluminum tape is commonly sold in hardware stores for sealing duct
> work.

  As mentioned earlier on this list server there exists a braided cord with stranded copper wire
braided within. The wires can be cut and removed from a point and on. This sounds perfect for
temporary, portable and emergency antennas that would need no end insulators. I would love to build
a complete set for every band with one feedline and balun making a dipole.
  (attached with a nut onto bolts on the balun, with sturdy eye lugs on the inner ends of the wires)

--
    Ron KA4INM - I've been carving my initials on trees and furniture all my life
                  'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

19492. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 23:18:25 UTC
From: James Irving
Topic: 19421 Message: 19492

OMG.....Shhhhhhh..... now there's two of us....... Jim

_____
From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 27, 2011 2:08 PM
Subject: RE: [ham-antennas] Re: Ham Stick Antennas

.....
Yeah I know .....
Rich , KDØZZ , ☺

You're just jealous because the voices only talk to me.
.....

[Non-text portions of this message have been removed]

19493. Re: [ham-antennas] Re: Ham Stick Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-27 23:23:23 UTC
From: Ron Youvan
Topic: 19421 Message: 19493

James K9JFK Irving wrote:

> I'm "frugal." If we are talking about the "tinsel wire", as in
> ....http://www.rajasthanelectric.com/Tinsel_Copper_Wire.htm
> I probably wouldn't be interested. Description says it's made from thin copper foil, and if you
> want it, they'll furnish you with a quote. Sounds to expensive for a "frugal" ham like me!

> Much easier to try it out with surveyors cord, duct tape, and aluminum foil. Probably won't look as
> good, but should be cheap to repair or replace.

> Then again, is a copper or stainless steel kitchen scouring pad made from a single strand? I wonder
> how long it is ......

No, "tinsel wire" is telephone cord wire used in handset and pedestal cords.
I was referring to wire made to be used in constructing antennas. It is soft and limp, (like a thin
shoe lace) it was discussed here 3 or 4 weeks ago. I am planning on talking to Mr. Wireman at my
next big HAM-Fest to see what is available in the soft and light for temporary, portable and
emergency antennas that would need no end insulators.* I have a friend that bought 1,000 feet of
such wire from home and he built a 900 foot big loop around the treetops in his yard. Works fine
from DC to 6 meters.
* that can be kept in a sack or cloth shopping bag.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19494. Re: [ham-antennas] Re: Inverted V vs (end fed) Sloper Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-28 05:24:35 UTC
From: dean
Topic: 19446 Message: 19494

More hills in Washington state than in FL. We do emergency VHF with portable repeaters on the mountain tops where I live in CA. I have not had too much experience with 2 meters SSB. The less hops the better. I remember the old game we played in school on passing a phrase. When it got back to the beginning it was all wrong. NVIS is just perfect for 200 miles where hills are involved. I imagine in FL you can set up a nice 2 meter beam for SSB and talk from one end of the state to the other end.

Since I got my 857D I hardly ever use my VHF/UHF radios any more. When I can I'm going to get two 40 meter Sierra Slims and make myself a nice low dipole for NVIS.

73, WY6L

From: Ron Youvan
Sent: Saturday, August 27, 2011 9:53 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Inverted V vs (end fed) Sloper Antenna

<< This would be for emergency communications
at our local City Hall. I am located in the
Yakima Washington and need to be able to
talk to Olympia Washington. Right now we are
using an Inverted V for 80 and 40 meters. The
building is located in the old part of town and
has an RFI noise level of 20 to 30 db 99% of
the time. Olympia can hear us, but we seldom
hear their station. Olympia is North West of us
about 200 miles. >>

Dean WY6L wrote:

> Why not put up a 40 meter NVIS antenna. Can go out about 300 to 450 miles. I saw one demonstrated in
> Fresno, CA and the other end was in San Francisco, CA. Nice reception.

I thought the public buildings were suppose to be manned by 2 meter operators that pass traffic
to HAMs in nearby houses with dipoles and beam antennas on the HF bands. That's the only way I have
heard of it being done here in Florida.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

19495. MA5B boom to mast plate question / problem

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-28 15:56:14 UTC
From: w9nfl
Topic: 19495 Message: 19495

Hello

I have a new MA5B and have an interesting problem. It calls for the boom "BB" to mount to the mast mounting plate with a 1 5/8 clamp.

BUT the diameter of the boom section itself is also 1 5/8 .

Thus no clearance to get the boom thru the clamps. I can not physically get it thru the clamps and don't really want to bend anything. Am I possibly misunderstanding these directions? ... any suggestions???

Thanks, Keith W9NFL

19496. RE: [ham-antennas] MA5B boom to mast plate question / problem

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-28 16:36:20 UTC
From: Richard Schmuke
Topic: 19495 Message: 19496

Are you sure you are trying to use a 1 5/8 clamp. A "U" bolt clamp, or as some call it a muffler clamp, marked 1 5/8 is made large enough to go around a 1 5/8 shaft.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of w9nfl
Sent: Sunday, August 28, 2011 10:56 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] MA5B boom to mast plate question / problem

Hello

I have a new MA5B and have an interesting problem. It calls for the boom "BB" to mount to the mast mounting plate with a 1 5/8 clamp.

BUT the diameter of the boom section itself is also 1 5/8 .

Thus no clearance to get the boom thru the clamps. I can not physically get it thru the clamps and don't really want to bend anything. Am I possibly misunderstanding these directions? ... any suggestions???

Thanks, Keith W9NFL

[Non-text portions of this message have been removed]

19497. 20ft pole found at Jack in the Box

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-28 21:37:57 UTC
From: Chris Boone
Topic: 19497 Message: 19497

While getting breakfast at the local Jack in the Crack today (Hey I love the new menu choices and often get 12 tacos ;), I saw a 20ft self supporting mast in front of their parking lot and it had a solid ball top and that caught my eye. I walked to it and sure enough, it looks like a portable 20ft antenna mast on a push in the ground mount....there was a sticker on it but there was a hose clamp blocking the name...the stupid crew inside came out telling me I cant look at it or take pictures!!! I showed them my Public Safety business card from the Sheriff's dept and they shut up!! I have the pics and can send them if anyone wants to see them (not sure if the list will pass them so I haven't bothered to xfer them yet)

Anyone else seen such at a JITB??? What the hell is it?? Cant support a flag of any decent size...and NONE of the crew knew what it was for!

I am sure there is no ground system under it...but I want one ;)

Chris
WB5ITT

19498. 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 14:21:14 UTC
From: paw_paw_nate
Topic: 19498 Message: 19498

Hello Group,
I'm new to group and need information on an antenna that I have aquired. So let me describe it the best I can: It is factory made but without any labels or tags. The elements measure 275", 287", and 310". The 287" element is two pieces that the coax is hooked to. It has larger (13" X 1-1/8") @ 33" from each end on all elements. I'm marking the joints and taking them apart for cleaning. Should I use Noalox by Ideal or Pentrlox when puting the joints back together? It looks like there was some kind of joint compound on it before. I think it would be for 15 meters if I figured correctly. ???? Also if anyone has this antenna can it be turned with a TV type rotor? Thanks for any help.

19499. Re: [ham-antennas] 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 14:41:31 UTC
From: Memwl
Topic: 19498 Message: 19499

Sounds like a 3 element 10-15-20 meter beam, I had a cushcraft made that way, cant tell without photo
does it have traps?

>_____
>From: paw_paw_nate <nljohnson53@...>
>To: ham-antennas@yahoogroups.com
>Sent: Monday, August 29, 2011 7:21 AM
>Subject: [ham-antennas] 3 ELEMENT YAGI
>
>
>
>Hello Group,
>I'm new to group and need information on an antenna that I have aquired. So let me describe it the best I can: It is factory made but without any labels or tags. The elements measure 275", 287", and 310". The 287" element is two pieces that the coax is hooked to. It has larger (13" X 1-1/8") @ 33" from each end on all elements. I'm marking the joints and taking them apart for cleaning. Should I use Noalox by Ideal or Pentrlox when puting the joints back together? It looks like there was some kind of joint compound on it before. I think it would be for 15 meters if I figured correctly. ???? Also if anyone has this antenna can it be turned with a TV type rotor? Thanks for any help.
>
>
>
>
>

[Non-text portions of this message have been removed]

19500. Re: [ham-antennas] 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 14:51:50 UTC
From: James Irving
Topic: 19456 Message: 19500

Hi Jay...

The ferrite used for common mode choke baluns is usually used in two forms. The first is a donut shaped ring and the coax is passed through the center 5 or ten times. However, if you are using anything bigger than rg59 coax, than passing it through the donut (toroid), can be a chore! The alternative is a "bead", which has a hole in it, and needs to be quite large to handle the big coax; however, you need to put anywhere from 5 to 10 beads on the coax. Your clamp on ferrite is a bead that is split down the middle so you can put it on after the connectors have been attached.

Amidion carries the beads and toroidal ferrite material... fb1020-31 beads are shown here...

https://www.amidoncorp.com/items/43

Some transmission lines are more flexible than others... you must check the specs for the minimum bending radius, then double that figure to get the circle diameter for putting it through a toroid. Remember, that is a minimum figure. The coax I'm using is very stiff, and in 1 or 2ft lengths can be hard to bend in a "small" diameter circle, and large diameter coax coils make the transmission line longer. Cost of the beads is offset by the savings in using less coax and the balun works better on a multi-band antenna. My vertical antenna is 140ft from the shack, so keeping it the transmission line as short as possible is a priority for me.

One other thing about a bead choke balun. You can cover it with electrical tape or with shrink tubing for a very neat installation... no coils to hide or look unsightly. I have no problems with winding a control cable around a donut shaped toroid. The cables are very flexible and you don't need a "big" toroid that handles a lot of power. You might want to try your clamp on choke on the control cable if you have any problems. I have an Icom AH4 remote tuner, but, as yet, have not had any problems with rf on the control cable.

Jim, K9JFK

From: Jay <n1fdx@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 27, 2011 11:22 AM
Subject: RE: [ham-antennas] 43' vertical antenna project questions

I think I’ve seen that graphic, I guess the air wound is limited. I’m not sure what “8 beads of 31mix” actually means or what or were to buy them. I do have some clamp on style chokes, look like magnet material that I was going to put on the control cable.

I’m mounting the tuner in a plastic enclosure which has plenty of room and had thought about putting a MFJ-915 isolator http://www.mfjenterprises.com/Product.php?productid=MFJ-915 right at the tuner in the box with a short pigtail of RG58 or 8X. Do you think this suits that purpose ?

Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James Irving
Sent: Saturday, August 27, 2011 11:45 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 43' vertical antenna project questions

Hi Jay...

I used to think the air wound choke solution was adequate for keeping rf off the transmission line. After installing my antenna 150ft from the house, I wanted another solution.... found it here at the web pages of Steve, G3TXQ....

http://www.karinya.net/g3txq/chokes/

Look at the reactive impedance of the air chokes versus the resistive impedance of 43 or 31 mix ferrites. I am using 8 beads of 31mix over an rg213 sized coax. That doesn't mean I haven't, or wouldn't use an air wound choke; I just view it as a single band solution. Another reason I switched to ferrites was to reduce additional coax losses caused by increasing the length through air baluns.

I've got the beads at both ends of the transmission line even though it is buried in pvc conduit a foot down. After the installation, my first surprise was the vertical was "quiet". Don't know if that is because of the beads stopping rf shield pick-up or the buried coax, but its a "show stopper". Another ham a couple of miles away often comments on the noise p/u of his vertical and having to switch to his dipole. More often than not, my response is "What noise?"

BTW... Steve is well known for his work on the hexbeam and a tour of those pages makes for good reading....http://www.karinya.net/g3txq/hexbeam/

Jim, K9JFK

_____
From: jayzap57 <n1fdx@... <mailto:n1fdx%40comcast.net> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Friday, August 26, 2011 10:03 PM
Subject: [ham-antennas] 43' vertical antenna project questions

I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the base.
Would it be a good idea to wind a choke right before the tuner ??

The coax the feeds back to the shack underground is RG213, would it mater if the connection from the antenna to the feed into the house is RG-8 or if I use a choke I make it from RG-8.

Don't have anymore RG213 and this project is replacing a Butternut vertical which used a peice of RG-11 as a matching section so the RG213 does not reach where the DXE will be.

Thanks Jay N1FDX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19501. TH6DXX for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 15:04:06 UTC
From: wb2aio
Topic: 19456 Message: 19501

Since this is an antenna forum, thought I should let people know here first.
I'd like to sell my TH6DXX. I totally rebuilt it with new stainless hardware, trap end caps, etc. Cleaned out the bugs/spiders from traps when I took it totally apart before putting new parts on it. Also has the BN86 balun.
Obviously, this is a big antenna. Can certainly break it back down if that would make it shippable-I'm not sure just what size limits are as its been many years since I bought it. I'm in Buffalo NY area and willing to try and work something out.
73
Kathy, W2NK

19502. Re: [ham-antennas] 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 15:06:45 UTC
From: dean
Topic: 19498 Message: 19502

I have a Mosley T-33 Jr 3 element beam, 10, 15, 20 meters. I don’t think a TV rotator will work. However I do think the TV rotator will drive my 17 M dipole. My antenna is Director 279 1/2”, Radiator 294 3/4”, Reflector 318 1/2”. My antenna is trapped. I do believe I have a HAM 4 rotator on mine. My setup is all hand me downs.

73, WY6L

From: paw_paw_nate
Sent: Monday, August 29, 2011 7:21 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 3 ELEMENT YAGI

Hello Group,
I'm new to group and need information on an antenna that I have aquired. So let me describe it the best I can: It is factory made but without any labels or tags. The elements measure 275", 287", and 310". The 287" element is two pieces that the coax is hooked to. It has larger (13" X 1-1/8") @ 33" from each end on all elements. I'm marking the joints and taking them apart for cleaning. Should I use Noalox by Ideal or Pentrlox when puting the joints back together? It looks like there was some kind of joint compound on it before. I think it would be for 15 meters if I figured correctly. ???? Also if anyone has this antenna can it be turned with a TV type rotor? Thanks for any help.

[Non-text portions of this message have been removed]

19503. Re: [ham-antennas] 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 15:34:37 UTC
From: VE3FAL-Fred
Topic: 19498 Message: 19503

I ran a TH3JR for years with an Archer Rotor.. I had to change gears out only once as they were teflon.

But ran over 15 years like that.

Fred
YouKits Canada Rep.
http://www.youkits.com
CIW649/VE3FAL
CFARS Member
SATERN Member
SATERN Amateur Radio Liaison Officer Great Lakes Region
http://www.satern.org
DEC Amethyst District ARES
http://www.thunderbay.emergencyradio.ca/

On Mon, 29 Aug 2011 08:06:45 -0700
"dean" <deanf@...> wrote:
I have a Mosley T-33 Jr 3 element beam, 10, 15, 20 meters. I don't think a
TV rotator will work. However I do think the TV rotator will drive my 17 M dipole. My antenna is Director 279 1/2", Radiator 294 3/4", Reflector 318 1/2". My antenna is trapped. I do believe I have a HAM 4 rotator on mine. My setup is all hand me downs.

73, WY6L

From: paw_paw_nate
Sent: Monday, August 29, 2011 7:21 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 3 ELEMENT YAGI

Hello Group,
I'm new to group and need information on an antenna that I have aquired. So
let me describe it the best I can: It is factory made but without any labels or tags. The elements measure 275", 287", and 310". The 287" element is two pieces that the coax is hooked to. It has larger (13" X 1-1/8") @ 33" from each end on all elements. I'm marking the joints and taking them apart for cleaning. Should I use Noalox by Ideal or Pentrlox when puting the joints back
together? It looks like there was some kind of joint compound on it before. I
think it would be for 15 meters if I figured correctly. ???? Also if anyone has this antenna can it be turned with a TV type rotor? Thanks for any help.

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19504. Re: [ham-antennas] TH6DXX for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 15:33:19 UTC
From: Chuck Schultz
Topic: 19456 Message: 19504

I wish you would have included a price . It is all for naught regardless for I am in Texas . I have owned the TH6DXX and a TH7DXX and have the manuals for each as well as the Hy Gain comparison charts . I find myself in the market for another but doubt a drive to Buffalo in my near future . Chuck Wq5B
----- Original Message -----
From: wb2aio
To: ham-antennas@yahoogroups.com
Sent: Monday, August 29, 2011 10:04 AM
Subject: [ham-antennas] TH6DXX for sale

Since this is an antenna forum, thought I should let people know here first.
I'd like to sell my TH6DXX. I totally rebuilt it with new stainless hardware, trap end caps, etc. Cleaned out the bugs/spiders from traps when I took it totally apart before putting new parts on it. Also has the BN86 balun.
Obviously, this is a big antenna. Can certainly break it back down if that would make it shippable-I'm not sure just what size limits are as its been many years since I bought it. I'm in Buffalo NY area and willing to try and work something out.
73
Kathy, W2NK

[Non-text portions of this message have been removed]

19505. Re: [ham-antennas] 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 17:27:54 UTC
From: Joe
Topic: 19498 Message: 19505

I has the big brother of that antenn the TA-33 KW or more version.
On an old U-110 rotor. All metal drive train and final out put was a
worm gear drive so semi locking without a brake.

And I never had it move in a wind storm.

It worked easily over a decade. the only trouble it ever gave me was if
it was very windy it would tend to stall out when trying to move.

but otherwise for a 10 dollar garage sale rotor vs a 400 or more one
i'll take the ten buck one anyday.

Joe WB9SBD
NSS

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 8/29/2011 10:34 AM, VE3FAL-Fred wrote:
> I ran a TH3JR for years with an Archer Rotor.. I had to change gears out
> only once as they were teflon.
>
> But ran over 15 years like that.
>
>
> Fred
> YouKits Canada Rep.
> http://www.youkits.com
> CIW649/VE3FAL
> CFARS Member
> SATERN Member
> SATERN Amateur Radio Liaison Officer Great Lakes Region
> http://www.satern.org
> DEC Amethyst District ARES
> http://www.thunderbay.emergencyradio.ca/
>
> On Mon, 29 Aug 2011 08:06:45 -0700
> "dean"<deanf@...> wrote:
> I have a Mosley T-33 Jr 3 element beam, 10, 15, 20 meters. I don’t think
> a
> TV rotator will work. However I do think the TV rotator will drive my 17 M
> dipole. My antenna is Director 279 1/2”, Radiator 294 3/4”, Reflector 318
> 1/2”. My antenna is trapped. I do believe I have a HAM 4 rotator on mine.
> My setup is all hand me downs.

>
> 73, WY6L
>
>
>
> From: paw_paw_nate
> Sent: Monday, August 29, 2011 7:21 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 3 ELEMENT YAGI
>
>
> Hello Group,
> I'm new to group and need information on an antenna that I have aquired.
> So
> let me describe it the best I can: It is factory made but without any labels
> or tags. The elements measure 275", 287", and 310". The 287" element is two
> pieces that the coax is hooked to. It has larger (13" X 1-1/8") @ 33" from
> each end on all elements. I'm marking the joints and taking them apart for
> cleaning. Should I use Noalox by Ideal or Pentrlox when puting the joints
> back
> together? It looks like there was some kind of joint compound on it before.
> I
> think it would be for 15 meters if I figured correctly. ???? Also if anyone
> has this antenna can it be turned with a TV type rotor? Thanks for any help.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to
> ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@...m
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

19506. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 17:46:03 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 19506

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /Files from www.Bencher.com/Phasd arrays.pdf
Uploaded by : jo_brdn <jobarden422@...>
Description : Phased arrays

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/Files%20from%20www.Bencher.com/Phasd%20arrays.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

jo_brdn <jobarden422@...>

19507. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 17:48:39 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 19507

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /Files from www.Bencher.com/Ground radial systems.pdf
Uploaded by : jo_brdn <jobarden422@...>
Description : Ground radial systems

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/Files%20from%20www.Bencher.com/Ground%20radial%20systems.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

jo_brdn <jobarden422@...>

19508. Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 17:50:38 UTC
From: paw_paw_nate
Topic: 19498 Message: 19508

I looked up the Cushcraft antenna and it looks like the 3SW model, I don't know what a trap is or what they look like????????????

--- In ham-antennas@yahoogroups.com, Memwl <modkulla@...> wrote:
>
> Sounds like a 3 element 10-15-20 meter beam, I had a cushcraft made that way, cant tell without photo
> does it have traps?
>
>
>
> >_____
> >From: paw_paw_nate <nljohnson53@...>
> >To: ham-antennas@yahoogroups.com
> >Sent: Monday, August 29, 2011 7:21 AM
> >Subject: [ham-antennas] 3 ELEMENT YAGI
> >
> >
> >Â
> >Hello Group,
> >I'm new to group and need information on an antenna that I have aquired. So let me describe it the best I can: It is factory made but without any labels or tags. The elements measure 275", 287", and 310". The 287" element is two pieces that the coax is hooked to. It has larger (13" X 1-1/8") @ 33" from each end on all elements. I'm marking the joints and taking them apart for cleaning. Should I use Noalox by Ideal or Pentrlox when puting the joints back together? It looks like there was some kind of joint compound on it before. I think it would be for 15 meters if I figured correctly. ???? Also if anyone has this antenna can it be turned with a TV type rotor? Thanks for any help.
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>

19509. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 18:11:37 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 19509

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /Files from www.Bencher.com/Dirty little secrets 2.pdf
Uploaded by : jo_brdn <jobarden422@...>
Description : Dirty Little Secrets 2

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/Files%20from%20www.Bencher.com/Dirty%20little%20secrets%202.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

jo_brdn <jobarden422@...>

19510. files uploaded to group files

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 18:32:54 UTC
From: jo barden
Topic: 19510 Message: 19510

Hi All

I found that the Bencher website has some really interesting files and I have asked permission to put them in the groups files section, I have been granted permission (I can forward confirmation to moderator if required) but the following must be noted:-

Each file posted must be complete, not shortened or edited in any
way. (done)

Each file must start with the comment that the file is the
copyrighted property of Bencher, Inc. and is posted with
permission, and is not to be posted elsewhere without the express
permission of Bencher, Inc.

Each file must include the URL for the Bencher site. (I do not have PDF editor program so please note this and if possible go to http://www.bencher.com)
I will do a readme file with a copy of these conditions and Bencher's website address.

I would like to thank Bencher for granting permission and for their quick response to my enquiry.

Jon

G6UWK

[Non-text portions of this message have been removed]

19511. RE: [ham-antennas] 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 19:35:50 UTC
From: Richard Schmuke
Topic: 19498 Message: 19511

If you only have two traps per element (one on each side) you may have a Mosley , check out http://www.kc5wa.net/ta33/ta33.html , for pictures and run down Mosley info, TA 33 and/or TA 33jr. Cushcraft , Wilson and others used two traps per side , 4 per element.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of paw_paw_nate
Sent: Monday, August 29, 2011 9:21 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 3 ELEMENT YAGI

Hello Group,
I'm new to group and need information on an antenna that I have aquired. So let me describe it the best I can: It is factory made but without any labels or tags. The elements measure 275", 287", and 310". The 287" element is two pieces that the coax is hooked to. It has larger (13" X 1-1/8") @ 33" from each end on all elements. I'm marking the joints and taking them apart for cleaning. Should I use Noalox by Ideal or Pentrlox when puting the joints back together? It looks like there was some kind of joint compound on it before. I think it would be for 15 meters if I figured correctly. ???? Also if anyone has this antenna can it be turned with a TV type rotor? Thanks for any help.

[Non-text portions of this message have been removed]

19512. Re: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 20:10:13 UTC
From: Memwl
Topic: 19498 Message: 19512

Its like a pop bottle thingy near the end of the elements, there are more than one type can be coils of wire,used to shorten the antenna
I don't have the literary skills
 to put down in words what I am thinking,
maybe some one else can describe a trap better than I can.

ke7sbe

>_____
>From: paw_paw_nate <nljohnson53@...>
>To: ham-antennas@yahoogroups.com
>Sent: Monday, August 29, 2011 10:50 AM
>Subject: [ham-antennas] Re: 3 ELEMENT YAGI
>
>
>
>I looked up the Cushcraft antenna and it looks like the 3SW model, I don't know what a trap is or what they look like????????????
>
>--- In ham-antennas@yahoogroups.com, Memwl <modkulla@...> wrote:
>>
>> Sounds like a 3 element 10-15-20 meter beam, I had a cushcraft made that way, cant tell without photo
>> does it have traps?
>>
>>
>>
>> >_____
>> >From: paw_paw_nate <nljohnson53@...>
>> >To: ham-antennas@yahoogroups.com
>> >Sent: Monday, August 29, 2011 7:21 AM
>> >Subject: [ham-antennas] 3 ELEMENT YAGI
>> >
>> >
>> >Â
>> >Hello Group,
>> >I'm new to group and need information on an antenna that I have aquired. So let me describe it the best I can: It is factory made but without any labels or tags. The elements measure 275", 287", and 310". The 287" element is two pieces that the coax is hooked to. It has larger (13" X 1-1/8") @ 33" from each end on all elements. I'm marking the joints and taking them apart for cleaning. Should I use Noalox by Ideal or Pentrlox when puting the joints back together? It looks like there was some kind of joint compound on it before. I think it would be for 15 meters if I figured correctly. ???? Also if anyone has this antenna can it be turned with a TV type rotor? Thanks for any help.
>> >

>> >
>> >
>> >
>> >
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
>
>

[Non-text portions of this message have been removed]

19513. Re: [ham-antennas] files uploaded to group files

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 21:30:43 UTC
From: James Irving
Topic: 19510 Message: 19513

Hi Jo...

I've been using the free home version of PDF Exchange Viewer from Tracker Software for several years.....
http://www.tracker-software.com/product/pdf-xchange-viewer

It allows you to make annotations into a pdf file, plus some other things, ... nice features and reliable.
If you couple this with the free Primo Pdf, which installs as a printer option.....

http://www.primopdf.com/index.aspx

you'll have a dynamite pdf combo. Anything you can print, including web pages, can be turned to a pdf. That includes any ".doc" files you want to attach to emails; I don't usually open ".doc" email attachments because they can contain virus macros. That is not a problem if converted to pdf before attachment.

Jim, K9JFK

From: jo barden <jobarden422@...>
To: ham-antennas@yahoogroups.com; bob@...
Sent: Monday, August 29, 2011 1:32 PM
Subject: [ham-antennas] files uploaded to group files

Hi All

I found that the Bencher website has some really interesting files and I have asked permission to put them in the groups files section, I have been granted permission (I can forward confirmation to moderator if required) but the following must be noted:-

Each file posted must be complete, not shortened or edited in any
way. (done)

Each file must start with the comment that the file is the
copyrighted property of Bencher, Inc. and is posted with
permission, and is not to be posted elsewhere without the express
permission of Bencher, Inc.

Each file must include the URL for the Bencher site. (I do not have PDF editor program so please note this and if possible go to http://www.bencher.com)
I will do a readme file with a copy of these conditions and Bencher's website address.

I would like to thank Bencher for granting permission and for their quick response to my enquiry.

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19514. Re: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-29 23:02:36 UTC
From: Ron Youvan
Topic: 19498 Message: 19514

paw_paw_nate wrote:

> I looked up the Cushcraft antenna and it looks like the 3SW model, I don't know what a trap is or
> what they look like???????????

If the aluminum tubing was a snake the "trap" is the rabbit in the middle of the snake, swollen up.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19515. RE: [ham-antennas] 43' vertical antenna project questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 00:16:47 UTC
From: Jay
Topic: 19456 Message: 19515

Thanks Jim for the info below. I’m real close to getting it on the air, I think by this weekend. I guess I don’t really know if I have a problem, just trying to stay ahead. The Butternut did on some bands. The MFJ-915 I mentioned below sounds like a readymade solution to what your explaining. I am using RG213 to the antenna and made a pigtail out of the AH4 which I can either add the rings to or try the MFJ while waiting for an order. Also I guess would give me the option to see if I need anything. This connection will be out of the weather inside a 12x12 enclosure with the AH4.

Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James Irving
Sent: Monday, August 29, 2011 10:52 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 43' vertical antenna project questions

Hi Jay...

The ferrite used for common mode choke baluns is usually used in two forms. The first is a donut shaped ring and the coax is passed through the center 5 or ten times. However, if you are using anything bigger than rg59 coax, than passing it through the donut (toroid), can be a chore! The alternative is a "bead", which has a hole in it, and needs to be quite large to handle the big coax; however, you need to put anywhere from 5 to 10 beads on the coax. Your clamp on ferrite is a bead that is split down the middle so you can put it on after the connectors have been attached.

Amidion carries the beads and toroidal ferrite material... fb1020-31 beads are shown here...

https://www.amidoncorp.com/items/43

Some transmission lines are more flexible than others... you must check the specs for the minimum bending radius, then double that figure to get the circle diameter for putting it through a toroid. Remember, that is a minimum figure. The coax I'm using is very stiff, and in 1 or 2ft lengths can be hard to bend in a "small" diameter circle, and large diameter coax coils make the transmission line longer. Cost of the beads is offset by the savings in using less coax and the balun works better on a multi-band antenna. My vertical antenna is 140ft from the shack, so keeping it the transmission line as short as possible is a priority for me.

One other thing about a bead choke balun. You can cover it with electrical tape or with shrink tubing for a very neat installation... no coils to hide or look unsightly. I have no problems with winding a control cable around a donut shaped toroid. The cables are very flexible and you don't need a "big" toroid that handles a lot of power. You might want to try your clamp on choke on the control cable if you have any problems. I have an Icom AH4 remote tuner, but, as yet, have not had any problems with rf on the control cable.

Jim, K9JFK

From: Jay <n1fdx@comcast.net <mailto:n1fdx%40comcast.net> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Saturday, August 27, 2011 11:22 AM
Subject: RE: [ham-antennas] 43' vertical antenna project questions

I think I've seen that graphic, I guess the air wound is limited. I'm not sure what "8 beads of 31mix" actually means or what or were to buy them. I do have some clamp on style chokes, look like magnet material that I was going to put on the control cable.

I'm mounting the tuner in a plastic enclosure which has plenty of room and had thought about putting a MFJ-915 isolator http://www.mfjenterprises.com/Product.php?productid=MFJ-915 right at the tuner in the box with a short pigtail of RG58 or 8X. Do you think this suits that purpose ?

Jay N1FDX

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of James Irving
Sent: Saturday, August 27, 2011 11:45 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] 43' vertical antenna project questions

Hi Jay...

I used to think the air wound choke solution was adequate for keeping rf off the transmission line. After installing my antenna 150ft from the house, I wanted another solution.... found it here at the web pages of Steve, G3TXQ....

http://www.karinya.net/g3txq/chokes/

Look at the reactive impedance of the air chokes versus the resistive impedance of 43 or 31 mix ferrites. I am using 8 beads of 31mix over an rg213 sized coax. That doesn't mean I haven't, or wouldn't use an air wound choke; I just view it as a single band solution. Another reason I switched to ferrites was to reduce additional coax losses caused by increasing the length through air baluns.

I've got the beads at both ends of the transmission line even though it is buried in pvc conduit a foot down. After the installation, my first surprise was the vertical was "quiet". Don't know if that is because of the beads stopping rf shield pick-up or the buried coax, but its a "show stopper". Another ham a couple of miles away often comments on the noise p/u of his vertical and having to switch to his dipole. More often than not, my response is "What noise?"

BTW... Steve is well known for his work on the hexbeam and a tour of those pages makes for good reading....http://www.karinya.net/g3txq/hexbeam/

Jim, K9JFK

From: jayzap57 <n1fdx@...t <mailto:n1fdx%40comcast.net> <mailto:n1fdx%40comcast.net> >

To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
Sent: Friday, August 26, 2011 10:03 PM
Subject: [ham-antennas] 43' vertical antenna project questions

I'm installing a DXE 43ft vertical with an Icom AH-4 tuner at the base.
Would it be a good idea to wind a choke right before the tuner ??

The coax the feeds back to the shack underground is RG213, would it mater if the connection from the antenna to the feed into the house is RG-8 or if I use a choke I make it from RG-8.

Don't have anymore RG213 and this project is replacing a Butternut vertical which used a peice of RG-11 as a matching section so the RG213 does not reach where the DXE will be.

Thanks Jay N1FDX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19516. 43' Vert

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 00:21:55 UTC
From: kd8dvy@ymail.com
Topic: 12200 Message: 19516

I was wondering if anyone has experimented with a 43' wire vertical and if so what was the outcome?

Would like complete details.

Harold/KD8DVY

19517. Re: [ham-antennas] 43' Vert

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 00:37:51 UTC
From: NICK LERRO
Topic: 12200 Message: 19517

Harold Sir,
I made my own version of 43 footer ground mounted vertical and with great success I found the secret was I laid down 2000 feet of counterpoise to cover my back yard, I used from 8 feet lengths to 67 feet in lengths this has worked very well for me.
good luck and have fun
best of 73
de
w3nrl
Nick
----- Original Message -----
From: kd8dvy@...<mailto:kd8dvy@...>
To: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
Sent: Monday, August 29, 2011 8:21 PM
Subject: [ham-antennas] 43' Vert

I was wondering if anyone has experimented with a 43' wire vertical and if so what was the outcome?

Would like complete details.

Harold/KD8DVY

[Non-text portions of this message have been removed]

19518. Re: 20ft pole found at Jack in the Box

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 01:03:28 UTC
From: Rich
Topic: 19497 Message: 19518

Sounds like maybe a Jackite pole.

http://www.jackite.com/index.php?cPath=41_44&osCsid=2fb7d5db53388f9930ca80f928e318f2
Rich KC8HMJ

--- In ham-antennas@yahoogroups.com, "Chris Boone" <cboone@...> wrote:
>
> While getting breakfast at the local Jack in the Crack today (Hey I love the
> new menu choices and often get 12 tacos ;), I saw a 20ft self supporting
> mast in front of their parking lot and it had a solid ball top and that
> caught my eye. I walked to it and sure enough, it looks like a portable 20ft
> antenna mast on a push in the ground mount....there was a sticker on it but
> there was a hose clamp blocking the name...the stupid crew inside came out
> telling me I cant look at it or take pictures!!! I showed them my Public
> Safety business card from the Sheriff's dept and they shut up!! I have the
> pics and can send them if anyone wants to see them (not sure if the list
> will pass them so I haven't bothered to xfer them yet)
>
> Anyone else seen such at a JITB??? What the hell is it?? Cant support a flag
> of any decent size...and NONE of the crew knew what it was for!
>
> I am sure there is no ground system under it...but I want one ;)
>
> Chris
> WB5ITT
>

19519. Comments, please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 01:12:43 UTC
From: urei
Topic: 19519 Message: 19519

My antennas are down courtesy Irene. No great hardship, though. I will out the verticals back up in about 30 minutes. My 80m dipole is a mess, though. I have a G5RV Junior that I may use in it's place.
Here's the question: I'm thinking of attaching the 80m elements to the G5 RV Jr.
Bad idea? Anybody ever try anything like this before?

Looking forward to any and all input. Thanx all in advance. Mike

19520. Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 01:45:17 UTC
From: paw_paw_nate
Topic: 19498 Message: 19520

I checked the pictures on www.kc5wa.net sight and my antenna is exactly like the pics. This antenna was @ an estate on a 70' tower. I took it down and am in process of putting it back in use after years of not being used. how can one test the traps to be sure they are good. Are they coils that can be ohmed out? can they be took off and checked out? What do I need to do to check them before going back up with it? Also when cleaning the tubing joints can I use a joint compound like Noalox or Pentrolox when putting them back together? Thanks for all your input.

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> If you only have two traps per element (one on each side) you may have a
> Mosley , check out http://www.kc5wa.net/ta33/ta33.html , for pictures and
> run down Mosley info, TA 33 and/or TA 33jr. Cushcraft , Wilson and others
> used two traps per side , 4 per element.
>
> Rich , Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of paw_paw_nate
> Sent: Monday, August 29, 2011 9:21 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 3 ELEMENT YAGI
>
>
>
>
>
> Hello Group,
> I'm new to group and need information on an antenna that I have aquired. So
> let me describe it the best I can: It is factory made but without any labels
> or tags. The elements measure 275", 287", and 310". The 287" element is two
> pieces that the coax is hooked to. It has larger (13" X 1-1/8") @ 33" from
> each end on all elements. I'm marking the joints and taking them apart for
> cleaning. Should I use Noalox by Ideal or Pentrlox when puting the joints
> back together? It looks like there was some kind of joint compound on it
> before. I think it would be for 15 meters if I figured correctly. ???? Also
> if anyone has this antenna can it be turned with a TV type rotor? Thanks for
> any help.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19521. Re: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 02:48:21 UTC
From: Ron Youvan
Topic: 19498 Message: 19521

paw_paw_nate wrote:

> I checked the pictures on www.kc5wa.net sight and my antenna is exactly like the pics. This antenna
> was @ an estate on a 70' tower. I took it down and am in process of putting it back in use after
> years of not being used. how can one test the traps to be sure they are good. Are they coils that
> can be Ohmed out? can they be took off and checked out? What do I need to do to check them before
> going back up with it? Also when cleaning the tubing joints can I use a joint compound like Noalox
> or Pentrolox when putting them back together?

You answered you own questions. You need to disassemble the entire antenna one joint at a time.
Several saw horses or such will bring it up to nearly waste level, always nice.
Record ALL measurements before starting. Mark with a felt tipped marker as you wish.
Never use steel wool, use "scotch bright" type of abrasive plastic pads* to brighten (and remove
all aluminum oxide - white dust) all contacting surfaces and apply a thin film of your favorite
"Anti-Ox" compound to all polished surfaces. The "traps" contain one or more coils and one or more
capacitors (I do not know your unit) and they are usually wound with aluminum wire and all
contacting surfaces need to be cleaned and de-burred before re-assembling. (file if required)
A very close visual inspection (and Ohm it out) is important to minimize having to take it back down
to replace them. They usually can be tested with a GDO Grid Dip Oscillator. I do not know what
frequency they should resonate at.
BTW: Replace any questionable hardware and when you are done have no non-stainless steel "up
there." Be especially careful of the little sheet metal screws in and around the traps.
Remember any hole (no mater how small) drilled in aluminum tubing weakens it, if it isn't
necessary (sometimes it is) don't drill.
With luck the antenna will not need to be lowered for 10 or 20 years, barring lightning damage,
traps can be damaged by lightning and other things. Plastic caps on the ends of the traps should be
replaced if they do not look new.

Another trick is to have a six to ten foot "whip" cable between the beam and the tower (the part
that coils up and uncoils when the rotator is rotated) and tie the cable coming up the

tower to the
tower with an hose band so it can't move. Replace the "whip cable" every few years depending on
weather and the number of times the antenna is rotated.

In many areas there are "riggers" (tower workers) that give deep beaks to HAMS, to do it safely.

* sold by Harbor Freight among other sellers
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19522. Re: [ham-antennas] Comments, please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 03:10:07 UTC
From: Larry Tooley
Topic: 19519 Message: 19522

I sure have Mike. My 80-10 G5RV looks like I can lengthen the short end to the 160 meter length and have top band.
----- Original Message -----
From: urei
To: ham-antennas@yahoogroups.com
Sent: Monday, August 29, 2011 8:12 PM
Subject: [ham-antennas] Comments, please?

My antennas are down courtesy Irene. No great hardship, though. I will out the verticals back up in about 30 minutes. My 80m dipole is a mess, though. I have a G5RV Junior that I may use in it's place.
Here's the question: I'm thinking of attaching the 80m elements to the G5 RV Jr.
Bad idea? Anybody ever try anything like this before?

Looking forward to any and all input. Thanx all in advance. Mike

[Non-text portions of this message have been removed]

19523. Re: [ham-antennas] Comments, please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 12:08:42 UTC
From: Frank Kirschner
Topic: 19519 Message: 19523

Larry,

Which end of a G5RV is "the short end"? I thought a G5RV had two 51-ft wires.

http://www.wb0w.com/g5rv/g5rv_antennas.htm

73,
Frank
KF6E

On Mon, Aug 29, 2011 at 11:10 PM, Larry Tooley <wa9guu@...> wrote:

> **
>
>
> I sure have Mike. My 80-10 G5RV looks like I can lengthen the short end to
> the 160 meter length and have top band.
>
>

[Non-text portions of this message have been removed]

19524. Re: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 13:40:55 UTC
From: Joe
Topic: 19498 Message: 19524

On 8/29/2011 9:48 PM, Ron Youvan wrote:
> paw_paw_nate wrote:
> You answered you own questions. You need to disassemble the entire antenna one joint at a time.
> Several saw horses or such will bring it up to nearly waste level, always nice.
> Record ALL measurements before starting. Mark with a felt tipped marker as you wish.
> Never use steel wool, use "scotch bright" type of abrasive plastic pads* to brighten (and remove
> all aluminum oxide - white dust) all contacting surfaces and apply a thin film of your favorite
> "Anti-Ox" compound to all polished surfaces.
Why "Never Use Steel Wool"?

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

19525. AW: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 13:59:43 UTC
From: Siegfried Jackstien
Topic: 19498 Message: 19525

Cause it makes deeper scratches instead of polishing ...
And maybe if there is a small part or steel wool left I would gess that will
be a bad thing (different metals)
But I am just guessing
Greetz
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe
> Gesendet: Dienstag, 30. August 2011 13:41
> An: ham-antennas@yahoogroups.com
> Cc: Ron Youvan
> Betreff: Re: [ham-antennas] Re: 3 ELEMENT YAGI
>
>
>
>
> On 8/29/2011 9:48 PM, Ron Youvan wrote:
> > paw_paw_nate wrote:
> > > You answered you own questions. You need to disassemble the entire
> antenna one joint at a time.
> > > Several saw horses or such will bring it up to nearly waste level,
> always nice.
> > > Record ALL measurements before starting. Mark with a felt tipped marker
> as you wish.
> > > Never use steel wool, use "scotch bright" type of abrasive plastic pads*
> to brighten (and remove
> > > all aluminum oxide - white dust) all contacting surfaces and apply a
> thin film of your favorite
> > > "Anti-Ox" compound to all polished surfaces.
> Why "Never Use Steel Wool"?
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> [Non-text portions of this message have been removed]
>
>
>
>

19526. Re: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 14:09:48 UTC
From: Ron Youvan
Topic: 19498 Message: 19526

Joe WB9SBD wrote:

> On 8/29/2011 9:48 PM, Ron Youvan wrote:
> > paw_paw_nate wrote:
> > You answered you own questions. You need to disassemble the entire antenna one joint at a time.
> > Several saw horses or such will bring it up to nearly waste level, always nice.
> > Record ALL measurements before starting. Mark with a felt tipped marker as you wish.
> > Never use steel wool, use "scotch bright" type of abrasive plastic pads* to brighten (and remove
> > all aluminum oxide - white dust) all contacting surfaces and apply a thin film of your favorite
> > "Anti-Ox" compound to all polished surfaces.

> Why "Never Use Steel Wool"?

It will leave minute steel spears stuck in the aluminum, when they rusts they can create a diode
like structure* and if in sufficient quantity, an electrical insulation layer.

* creating intermodulation distortion to weak incoming signals
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19527. Re: AW: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 14:26:33 UTC
From: Joe
Topic: 19498 Message: 19527

Ok so it's all about surface scratches, so using like 0000 steel wool
would make a like mirror finish would be fine,
Other than that possible stray wire.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 8/30/2011 8:59 AM, Siegfried Jackstien wrote:
> Cause it makes deeper scratches instead of polishing ...
> And maybe if there is a small part or steel wool left I would gess that will
> be a bad thing (different metals)
> But I am just guessing
> Greetz
> sigi
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Joe
>> Gesendet: Dienstag, 30. August 2011 13:41
>> An: ham-antennas@yahoogroups.com
>> Cc: Ron Youvan
>> Betreff: Re: [ham-antennas] Re: 3 ELEMENT YAGI
>>
>>
>>
>>
>> On 8/29/2011 9:48 PM, Ron Youvan wrote:
>>> paw_paw_nate wrote:
>>> You answered you own questions. You need to disassemble the entire
>> antenna one joint at a time.
>>> Several saw horses or such will bring it up to nearly waste level,
>> always nice.
>>> Record ALL measurements before starting. Mark with a felt tipped marker
>> as you wish.
>>> Never use steel wool, use "scotch bright" type of abrasive plastic pads*
>> to brighten (and remove
>>> all aluminum oxide - white dust) all contacting surfaces and apply a
>> thin film of your favorite
>>> "Anti-Ox" compound to all polished surfaces.
>> Why "Never Use Steel Wool"?
>>
>> Joe WB9SBD

>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19528. Re: AW: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 14:46:54 UTC
From: Ron Youvan
Topic: 19498 Message: 19528

Joe WB9SBD wrote:

> Ok so it's all about surface scratches, so using like 0000 steel wool
> would make a like mirror finish would be fine,
> Other than that possible stray wire.

No, it's nor the finish it's that you are, unbeknownst to you, adding a layer of micro fine iron
particles between two layers of aluminum. read: Dissimilar metals! It doesn't mater how many "0"s
there are on the package, it happens. Thousands of microscopic spears.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19529. RE: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 18:26:14 UTC
From: Richard Schmuke
Topic: 19498 Message: 19529

My friend Sigi is right as usual. When making fatigue test specimens to meet FAA specifications the requirement was to use carbide scrapers, new, not re-sharpened files and new emery sheets to deburr alum billets that were being machined for material certification. It might be a overkill for what we do but it can't hurt to try to be right.

Rich , Kd0zz

Cause it makes deeper scratches instead of polishing ...
And maybe if there is a small part or steel wool left I would gess that will be a bad thing (different metals)
But I am just guessing
Greetz
sigi

[Non-text portions of this message have been removed]

19530. Re: AW: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 20:29:14 UTC
From: James Irving
Topic: 19498 Message: 19530

Only if the steel wool is of a course nature.... can be purchased in several grades, with the finest able to remove minor imperfections on a finished wood surface, without damage. However, the steel can embed itself as minor particles in the aluminum surface, and it will eventually rust. Now you have a really bad looking aluminum antenna!

Yes, the Scotch pads are good for aluminum, and they also come in several grades. Personally, I use 120 grit plastic "grids" that are sold to finish plaster and drywall... lasts a long time and are inexpensive. They do not "block" because of the grid structure; sheen can be imparted with a Scotch pad when the main cleanup is done.

Jim, K9JFK

_____
From: Siegfried Jackstien <siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 30, 2011 8:59 AM
Subject: AW: [ham-antennas] Re: 3 ELEMENT YAGI

Cause it makes deeper scratches instead of polishing ...
And maybe if there is a small part or steel wool left I would gess that will
be a bad thing (different metals)
But I am just guessing
Greetz
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe
> Gesendet: Dienstag, 30. August 2011 13:41
> An: ham-antennas@yahoogroups.com
> Cc: Ron Youvan
> Betreff: Re: [ham-antennas] Re: 3 ELEMENT YAGI
>
>
>
>
> On 8/29/2011 9:48 PM, Ron Youvan wrote:
> > paw_paw_nate wrote:
> > You answered you own questions. You need to disassemble the entire
> antenna one joint at a time.
> > Several saw horses or such will bring it up to nearly waste level,
> always nice.
> > Record ALL measurements before starting. Mark with a felt tipped marker
> as you wish.
> > Never use steel wool, use "scotch bright" type of abrasive plastic pads*
> to brighten (and remove

> > all aluminum oxide - white dust) all contacting surfaces and apply a
> thin film of your favorite
> > "Anti-Ox" compound to all polished surfaces.
> Why "Never Use Steel Wool"?
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19531. RE:3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-30 21:50:39 UTC
From: jeffrey lord
Topic: 19498 Message: 19531

HI all,

I agree after20 years selling abrasives the comments below carry an element of truth.

I would scribe mark the elements where they are set and also the boom where the elements cross, then strip and clean I element at a time and replace. Be aware that this however careful your are may alter the tune of the YAGI and it will have to be re-tuned!!!

Aluminum oxidizes as soon as the new metal is exposed to the air , also ensure your anti-oxidant is compatible to the Aluminum do not use a copper or nickle based products or you will set up an electrolytic condition/situation.

Jeff
vk4fnrs
cheers from down-under

----- Forwarded Message -----
From: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, 30 August 2011 7:12 AM
Subject: [ham-antennas] Digest Number 2274

ham-antennas
ham-antennas
Messages In This Digest (3 Messages)

1a.
Re: 3 ELEMENT YAGI From: Ron Youvan
2a.
Re: AW: [ham-antennas] Re: 3 ELEMENT YAGI From: Joe
2b.
Re: AW: [ham-antennas] Re: 3 ELEMENT YAGI From: Ron Youvan View All Topics | Create New Topic Messages
1a.
Re: 3 ELEMENT YAGI
Posted by: "Ron Youvan" ka4inm@tampabay.rr.com   ka4inm
Tue Aug 30, 2011 7:09 am (PDT)

Joe WB9SBD wrote:

> On 8/29/2011 9:48 PM, Ron Youvan wrote:
> > paw_paw_nate wrote:
> > You answered you own questions. You need to disassemble the entire antenna one joint at a time.
> > Several saw horses or such will bring it up to nearly waste level, always nice.
> > Record ALL measurements before starting. Mark with a felt tipped marker as you wish.
> > Never use steel wool, use "scotch bright" type of abrasive plastic pads* to brighten

(and remove
> > all aluminum oxide - white dust) all contacting surfaces and apply a thin film of your favorite
> > "Anti-Ox" compound to all polished surfaces.

> Why "Never Use Steel Wool"?

It will leave minute steel spears stuck in the aluminum, when they rusts they can create a diode
like structure* and if in sufficient quantity, an electrical insulation layer.

* creating intermodulation distortion to weak incoming signals
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

Back to top Reply to sender | Reply to group | Reply via web post
Messages in this topic (16)
2a.
Re: AW: [ham-antennas] Re: 3 ELEMENT YAGI
Posted by: "Joe" nss@...   nssdz
Tue Aug 30, 2011 7:26 am (PDT)

Ok so it's all about surface scratches, so using like 0000 steel wool
would make a like mirror finish would be fine,
Other than that possible stray wire.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle- tyme.com

On 8/30/2011 8:59 AM, Siegfried Jackstien wrote:
> Cause it makes deeper scratches instead of polishing ...
> And maybe if there is a small part or steel wool left I would gess that will
> be a bad thing (different metals)
> But I am just guessing
> Greetz
> sigi
>
>> -----Ursprüngliche Nachricht--- --
>> Von: ham-antennas@ yahoogroups. com [mailto:ham-antennas@ yahoogroups. com] Im
>> Auftrag von Joe
>> Gesendet: Dienstag, 30. August 2011 13:41
>> An: ham-antennas@ yahoogroups. com
>> Cc: Ron Youvan
>> Betreff: Re: [ham-antennas] Re: 3 ELEMENT YAGI
>>
>>
>>
>>
>> On 8/29/2011 9:48 PM, Ron Youvan wrote:

>>> paw_paw_nate wrote:
>>> You answered you own questions. You need to disassemble the entire
>> antenna one joint at a time.
>>> Several saw horses or such will bring it up to nearly waste level,
>> always nice.
>>> Record ALL measurements before starting. Mark with a felt tipped marker
>> as you wish.
>>> Never use steel wool, use "scotch bright" type of abrasive plastic pads*
>> to brighten (and remove
>>> all aluminum oxide - white dust) all contacting surfaces and apply a
>> thin film of your favorite
>>> "Anti-Ox" compound to all polished surfaces.
>> Why "Never Use Steel Wool"?
>>
>> Joe WB9SBD
>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle- tyme.com
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>>
>
>
> ------------ --------- --------- ------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@ yahoogroups. com
> Subscribe: ham-antennas- subscribe@ yahoogroups. com
> Unsubscribe: ham-antennas- unsubscribe@ yahoogroups. com
> List owner: ham-antennas- owner@yahoogroup s.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

Back to top Reply to sender | Reply to group | Reply via web post
Messages in this topic (16)
2b.
Re: AW: [ham-antennas] Re: 3 ELEMENT YAGI

Posted by: "Ron Youvan" ka4inm@...   ka4inm
Tue Aug 30, 2011 7:46 am (PDT)

Joe WB9SBD wrote:

> Ok so it's all about surface scratches, so using like 0000 steel wool
> would make a like mirror finish would be fine,
> Other than that possible stray wire.

No, it's nor the finish it's that you are, unbeknownst to you, adding a layer of micro fine iron
particles between two layers of aluminum. read: Dissimilar metals! It doesn't mater how many "0"s
there are on the package, it happens. Thousands of microscopic spears.
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

Back to top Reply to sender | Reply to group | Reply via web post
Messages in this topic (16)
Recent Activity
* 17
New Members
* 7
New FilesVisit Your Group
Moderator Central
An online resource
for moderators
of Yahoo! Groups.<img width="1" height="1" alt="" src="http://us.bc.yahoo.com/b?P=6c155bee-d31a-11e0-9e70-332c0cba8156&T=1d9feu90u%2fX%3d1314717125%2fE%3d1705063108%2fR%3dgroups%2fK%3d5%2fV%3d2.1%2fW%3dH%2fY%3dYAHOO%2fF%3d1838645996%2fH%3dY29udGVudD0iUG9kY2FzdHM7QXVjdGlvbnM7V2lkZ2V0cztHbztXZWJzaXRlX1NlcnZpY2VzO1NtYWxsX0J1c2luZXNzO0dyb3VwcztMb3R0ZXJ5O0dlb2NpdGllcztBdXRvcy1DdXN0b207IiBkaXNhYmxlc2h1ZmZsaW5nPSIxIiBzZXJ2ZUlkPSI2YzE1NWJlZS1kMzFhLTExZTAtOWU3MC0zMzJjMGNiYTgxNTYiIHNpdGVJZD0iNDQ1MjU1MSIgdFN0bXA9IjEzMTQ3MTcxMjU3MDY3MTciIA--%2fQ%3d-1%2fS%3d1%2fJ%3d27228962&U=13983g06m%2fN%3dhxXhOdGDJG4-%2fC%3d493064.14543956.14365469.8674578%2fD%3dNC%2fB%3d5028927%2fV%3d1">
Share Photos
Put your favorite
photos and
more online.<img width="1" height="1" alt="" src="http://us.bc.yahoo.com/b?P=6c155bee-d31a-11e0-9e70-332c0cba8156&T=1d8pkme0t%2fX%3d1314717125%2fE%3d1705063108%2fR%3dgroups%2fK%3d5%2fV%3d2.1%2fW%3dH%2fY%3dYAHOO%2fF%3d650544171%2fH%3dY29udGVudD0iUG9kY2FzdHM7QXVjdGlvbnM7V2lkZ2V0cztHbztXZWJzaXRlX1NlcnZpY2VzO1NtYWxsX0J1c2luZXNzO0dyb3VwcztMb3R0ZXJ5O0dlb2NpdGllcztBdXRvcy1DdXN0b207IiBkaXNhYmxlc2h1ZmZsaW5nPSIxIiBzZXJ2ZUlkPSI2YzE1NWJlZS1kMzFhLTExZTAtOWU3MC0zMzJjMGNiYTgxNTYiIHNpdGVJZD0iNDQ1MjU1MSIgdFN0bXA9IjEzMTQ3MTcxMjU3MDY3MTciIA--%2fQ%3d-1%2fS%3d1%2fJ%3d27228962&U=1397c3uov%2fN%3dhhXhOdGDJG4-%2fC%3d493064.14543952.14365456.8674578%2fD%3dNC%2fB%3d4025373%2fV%3d1">
Y! Groups blog
The place to go
to stay informed
on Groups news!<img width="1" height="1" alt="" src="http://us.bc.yahoo.com/b?P=6c155bee-d31a-11e0-9e70-332c0cba8156&T=1d9dof6kg%2fX%3d1314717125%2fE%3d1705063108%2fR%3dgroups%2fK%

3d5%2fV%3d2.1%2fW%3dH%2fY%3dYAHOO%2fF%3d2622163708%2fH%3dY29udGVudD0iUG9kY2FzdHM7QXVjdGlvbnM7V2lkZ2V0cztHbztXZWJzaXRlX1NlcnZpY2VzO1NtYWxsX0J1c2luZXNzO0dyb3VwcztMb3R0ZXJ5O0dlb2NpdGlcztBdXRvcy1DdXN0b207IiBkaXNhYmxlc2h1ZmZsaW5nPSIxIiBzZXJ2ZUlkPSI2YzE1NWJlZS1kMzFhLTExZTAtOWU3MC0zMzJjMGNiYTgxNTYiIHNpdGVJZD0iNDQ1MjU1MSIgdFN0bXA9IjEzMTQ3MTcxMjU3MDY3MTciIA--%2fQ%3d-1%2fS%3d1%2fJ%3d27228962&U=139bg6diu%2fN%3diBXhOdGDJG4-%2fC%3d493064.14543954.14365463.8674578%2fD%3dNC%2fB%3d5191953%2fV%3d1">
Need to Reply?
Click one of the "Reply" links to respond to a specific message in the Daily Digest.
Create New Topic | Visit Your Group on the Web
Messages | Files | Photos | Links | Database | Polls | Members | Calendar
HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

MARKETPLACE
A bad score is 579. A good idea is checking yours at freecreditscore.com.<img width="1" height="1" alt="" src="http://us.bc.yahoo.com/b?P=6c155bee-d31a-11e0-9e70-332c0cba8156&T=1d9dkf3gc%2fX%3d1314717125%2fE%3d1705063108%2fR%3dgroups%2fK%3d5%2fV%3d2.1%2fW%3dH%2fY%3dYAHOO%2fF%3d1343020204%2fH%3dY29udGVudD0iUG9kY2FzdHM7QXVjdGlvbnM7V2lkZ2V0cztHbztXZWJzaXRlX1NlcnZpY2VzO1NtYWxsX0J1c2luZXNzO0dyb3VwcztMb3R0ZXJ5O0dlb2NpdGlcztBdXRvcy1DdXN0b207IiBkaXNhYmxlc2h1ZmZsaW5nPSIxIiBzZXJ2ZUlkPSI2YzE1NWJlZS1kMzFhLTExZTAtOWU3MC0zMzJjMGNiYTgxNTYiIHNpdGVJZD0iNDQ1MjU1MSIgdFN0bXA9IjEzMTQ3MTcxMjU3MDY3MTciIA--%2fQ%3d-1%2fS%3d1%2fJ%3d27228962&U=13cun3lue%2fN%3dgxXhOdGDJG4-%2fC%3d791726.14818010.14570270.10835568%2fD%3dMKP1%2fB%3d6475085%2fV%3d1">

Change settings via the Web (Yahoo! ID required)
Change settings via email: Switch delivery to Individual | Switch format to Traditional
Visit Your Group | Yahoo! Groups Terms of Use | Unsubscribe

[Non-text portions of this message have been removed]

19532. Re: [ham-antennas] Comments, please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 00:18:29 UTC
From: Larry Tooley
Topic: 19519 Message: 19532

Hit me with a board, Frank!

Sorry I and a bunch of my repeater buddies have been miscalling the Off Center Fed (OCF) antenna, a Windom or G5RV antenna. Thanks for catching this so we will learn that the G5RV is a great different antenna.

My OCF antenna is cut for 80-6 meters-45' one side and 90' on the other. I don't see why I cant add 135' to the short side to get the 180' for 160 meters.
This is borrowing the Buckmaster data from:
http://hamcall.net/7bandocf.html

The Windom: http://www.g4nsj.co.uk/windom.shtml

Larry WA9G
----- Original Message -----
From: Frank Kirschner
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 30, 2011 7:08 AM
Subject: Re: [ham-antennas] Comments, please?

Larry,

Which end of a G5RV is "the short end"? I thought a G5RV had two 51-ft wires.

http://www.wb0w.com/g5rv/g5rv_antennas.htm

73,
Frank
KF6E

On Mon, Aug 29, 2011 at 11:10 PM, Larry Tooley <wa9guu@...> wrote:

> **
>
>
> I sure have Mike. My 80-10 G5RV looks like I can lengthen the short end to
> the 160 meter length and have top band.
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19533. Re: Comments, please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 00:51:38 UTC
From: urei
Topic: 19519 Message: 19533

Glad we got that straightened out. THe original question remains.
For clarification, mine is a G5RV JUNIOR. Center fed, not OCF. I believe the overall length is 51' and the window line is something like 16'. My question is: has anybody added two 60' wires to a G5RV Jr? What results? Better to add the 60's in place of the 26's or set it up like a fan dipole with the windowline connected to the 80m elements AND the G5RV elements? Thanks. Mike

--- In ham-antennas@yahoogroups.com, "Larry Tooley" <wa9guu@...> wrote:
>
> Hit me with a board, Frank!
>
> Sorry I and a bunch of my repeater buddies have been miscalling the Off
> Center Fed (OCF) antenna, a Windom or G5RV antenna. Thanks for catching
> this so we will learn that the G5RV is a great different antenna.
>
> My OCF antenna is cut for 80-6 meters-45' one side and 90' on the other.
> I don't see why I cant add 135' to the short side to get the 180' for 160
> meters.
> This is borrowing the Buckmaster data from:
> http://hamcall.net/7bandocf.html
>
>
> The Windom: http://www.g4nsj.co.uk/windom.shtml
>
> Larry WA9G
> ----- Original Message -----
> From: Frank Kirschner
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, August 30, 2011 7:08 AM
> Subject: Re: [ham-antennas] Comments, please?
>
>
>
>
> Larry,
>
> Which end of a G5RV is "the short end"? I thought a G5RV had two 51-ft
> wires.
>
> http://www.wb0w.com/g5rv/g5rv_antennas.htm
>
> 73,
> Frank
> KF6E
>
> On Mon, Aug 29, 2011 at 11:10 PM, Larry Tooley <wa9guu@...> wrote:

>
> > **
> >
> >
> > I sure have Mike. My 80-10 G5RV looks like I can lengthen the short end
> to
> > the 160 meter length and have top band.
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19534. Re: [ham-antennas] Re: Comments, please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 01:28:54 UTC
From: Andy
Topic: 19519 Message: 19534

Just out of curiosity, where are you thinking about adding those 60' wires? At the feed point in parallel with the G5RV, perhaps on another axis? Or as extensions on the ends?

Andy

19535. Re: Comments, please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 01:38:36 UTC
From: urei
Topic: 19519 Message: 19535

In answer to your question, Andy, I'm thinking of attaching the 60' wires either in parallel to the short elements or in place of them. The wires would, in either case, be attached to the top of the window line.
So far I'm most curious about adding them in parallel to the 26' elements like a fan dipole. Hope I'm clear. If not let me know and I'll try to clarify. Thanks for your input.
73 Mike

--- In ham-antennas@yahoogroups.com, Andy <ai.egrps@...> wrote:
>
> Just out of curiosity, where are you thinking about adding those 60'
> wires? At the feed point in parallel with the G5RV, perhaps on
> another axis? Or as extensions on the ends?
>
> Andy
>

19536. Re: 20ft pole found at Jack in the Box

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 05:07:15 UTC
From: Chris Boone
Topic: 19497 Message: 19536

Nope, not them...this has a round ball at the top and is metal, not fiberglass...
I will try to post a pic (Can this list handle attachments??)

Chris
WB5ITT

Re: 20ft pole found at Jack in the Box
Posted by: "Rich" richard@... birdice56
Date: Mon Aug 29, 2011 6:03 pm ((PDT))

Sounds like maybe a Jackite pole.

http://www.jackite.com/index.php?cPath=41_44&osCsid=2fb7d5db53388f9930ca80f928e318f2
Rich KC8HMJ

19537. Re: [ham-antennas] Re: 20ft pole found at Jack in the Box

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 05:32:24 UTC
From: James Irving
Topic: 19497 Message: 19537

No Chris, you can't post attachments to the list, yahoo won't let it go through. Posting it in the pictures section of the file area would be ok. You could remove it after a couple of days....

Jim, k9jfk

From: Chris Boone <cboone@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 31, 2011 12:07 AM
Subject: [ham-antennas] Re: 20ft pole found at Jack in the Box

Nope, not them...this has a round ball at the top and is metal, not fiberglass...
I will try to post a pic (Can this list handle attachments??)

Chris
WB5ITT

Re: 20ft pole found at Jack in the Box
Posted by: "Rich" richard@... birdice56
Date: Mon Aug 29, 2011 6:03 pm ((PDT))

Sounds like maybe a Jackite pole.

http://www.jackite.com/index.php?cPath=41_44&osCsid=2fb7d5db53388f9930ca80f928e318f2
Rich KC8HMJ

[Non-text portions of this message have been removed]

19538. Re: [ham-antennas] Re: 20ft pole found at Jack in the Box

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 13:30:45 UTC
From: Joe
Topic: 19497 Message: 19538

It's not so much Yahoo won't let it go through, it is how the owner and moderator of the group has the group set up.

I'm the owner of several lists and members of a hundred more and about 75% of them allow images in the mail.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 8/31/2011 12:32 AM, James Irving wrote:
> No Chris, you can't post attachments to the list, yahoo won't let it go through. Posting it in the pictures section of the file area would be ok. You could remove it after a couple of days....
>
> Jim, k9jfk
>
>
>
> _____
> From: Chris Boone<cboone@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, August 31, 2011 12:07 AM
> Subject: [ham-antennas] Re: 20ft pole found at Jack in the Box
>
>
>
> Nope, not them...this has a round ball at the top and is metal, not
> fiberglass...
> I will try to post a pic (Can this list handle attachments??)
>
> Chris
> WB5ITT
>
> ---
> Re: 20ft pole found at Jack in the Box
> Posted by: "Rich" richard@... birdice56
> Date: Mon Aug 29, 2011 6:03 pm ((PDT))
>
> Sounds like maybe a Jackite pole.
>
> http://www.jackite.com/index.php?cPath=41_44&osCsid=2fb7d5db53388f9930ca80f9
> 28e318f2

> Rich KC8HMJ
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19539. RE: [ham-antennas] Re: 20ft pole found at Jack in the Box

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 13:38:33 UTC
From: Gary H. Harmon, Jr.
Topic: 19497 Message: 19539

But, let's look at the reality of the situation. If you have a list with 6,000 members, you wouldn't want to send a 1MB file to all 6,000 members. Probably, 5,990 would scream and 10 would be happy. By posting the attachment to the FILES area, anyone can look at it without flooding the internet with data.

Vr,

Gary H. Harmon, Jr. - K5JWK

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c

"Retirement means every day is a Saturday, except Sunday".

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Joe
Sent: Wednesday, August 31, 2011 8:31 AM
To: ham-antennas@yahoogroups.com
Cc: James Irving
Subject: Re: [ham-antennas] Re: 20ft pole found at Jack in the Box

It's not so much Yahoo won't let it go through, it is how the owner and moderator of the group has the group set up.

I'm the owner of several lists and members of a hundred more and about 75% of them allow images in the mail.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 8/31/2011 12:32 AM, James Irving wrote:
> No Chris, you can't post attachments to the list, yahoo won't let it go through. Posting it in the pictures section of the file area would be ok. You could remove it after a couple of days....
>
> Jim, k9jfk
>
>
>
> _____

> From: Chris Boone<cboone@... <mailto:cboone%40earthlink.net> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, August 31, 2011 12:07 AM
> Subject: [ham-antennas] Re: 20ft pole found at Jack in the Box
>
>
>
> Nope, not them...this has a round ball at the top and is metal, not
> fiberglass...
> I will try to post a pic (Can this list handle attachments??)
>
> Chris
> WB5ITT
>
> --
> Re: 20ft pole found at Jack in the Box
> Posted by: "Rich" richard@... <mailto:richard%40wowway.com>
birdice56
> Date: Mon Aug 29, 2011 6:03 pm ((PDT))
>
> Sounds like maybe a Jackite pole.
>
> http://www.jackite.com/index.php?cPath=41_44
<http://www.jackite.com/index.php?cPath=41_44&osCsid=2fb7d5db53388f9930ca80f
9> &osCsid=2fb7d5db53388f9930ca80f9
> 28e318f2
> Rich KC8HMJ
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links

>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19540. Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 13:45:46 UTC
From: paw_paw_nate
Topic: 19498 Message: 19540

Thanks for everyones input, This is the BEST informational group that I have joined. I can get underway rebuilding the antenna and maybe get in the air waves soon. Thanks again. Nate

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> My friend Sigi is right as usual. When making fatigue test specimens to meet
> FAA specifications the requirement was to use carbide scrapers, new, not
> re-sharpened files and new emery sheets to deburr alum billets that were
> being machined for material certification. It might be a overkill for what
> we do but it can't hurt to try to be right.
>
> Rich , Kd0zz
>
> Cause it makes deeper scratches instead of polishing ...
> And maybe if there is a small part or steel wool left I would gess that will
> be a bad thing (different metals)
> But I am just guessing
> Greetz
> sigi
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19541. Re: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 15:10:38 UTC
From: dean
Topic: 19498 Message: 19541

So now that you have your answers on the antenna what are you mounting it on and how high up. Just curious.

73, WY6L

From: paw_paw_nate
Sent: Wednesday, August 31, 2011 6:45 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 3 ELEMENT YAGI

Thanks for everyones input, This is the BEST informational group that I have joined. I can get underway rebuilding the antenna and maybe get in the air waves soon. Thanks again. Nate

--- In mailto:ham-antennas%40yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> My friend Sigi is right as usual. When making fatigue test specimens to meet
> FAA specifications the requirement was to use carbide scrapers, new, not
> re-sharpened files and new emery sheets to deburr alum billets that were
> being machined for material certification. It might be a overkill for what
> we do but it can't hurt to try to be right.
>
> Rich , Kd0zz
>
> Cause it makes deeper scratches instead of polishing ...
> And maybe if there is a small part or steel wool left I would gess that will
> be a bad thing (different metals)
> But I am just guessing
> Greetz
> sigi
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19542. Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 17:34:17 UTC
From: AlainMichel
Topic: 19498 Message: 19542

Nate,

I have a 5 element Yagi for 220 MHz that was given to me in poor shape. I wire brushed it and then spray painted it with a Rust-oleum product called, "MultiColor Textured". It is a non-metallic spray that works very well.

I live in a CC&R area so I chose a color that would help blend the antenna into the surrounding trees and hills.

The antenna has been up for 4 years now. Works great, no breakdown anywhere and the SWR still remains a comfortable 1:2:1.

Hope this helps.

Alain

19543. Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 17:36:02 UTC
From: geo
Topic: 19543 Message: 19543

I'm buying myself one of these little MFJ loop tuners because I'm curious about loops antennas.

How do loop antennas compare to dipoles for QRP DX?

Are the tales of being able to run a loop at earth level true or just myth?

73s geo VE3GZB

19544. RE: [ham-antennas] Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 17:45:21 UTC
From: jo barden
Topic: 19543 Message: 19544

Hi geo
Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old variable capacitor out of valve era radio. Now they are not pile up busting (in my case anyway) but they work. I have use mine in upstairs bedroom of our house on 40m and got DL station.
have fun
JonG6UWK

To: ham-antennas@yahoogroups.com
From: yaktur@...
Date: Wed, 31 Aug 2011 17:36:02 +0000
Subject: [ham-antennas] Loop antennas?

I'm buying myself one of these little MFJ loop tuners because I'm curious about loops antennas.

How do loop antennas compare to dipoles for QRP DX?

Are the tales of being able to run a loop at earth level true or just myth?

73s geo VE3GZB

[Non-text portions of this message have been removed]

19545. Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 17:54:12 UTC
From: geo
Topic: 19543 Message: 19545

Well, it's already bought and being shipped. I might run 120W on it or I might run QRP, so I wanted the voltage ratings.

But what I wanted to know was how it compares to a dipole for QRP DX? Does a loop need to be at a certain height to work, like a dipole?

What are the pros and cons?

Thanks and 73s geo VE3GZB

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Hi geo
> Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old variable capacitor out of valve era radio. Now they are not pile up busting (in my case anyway) but they work. I have use mine in upstairs bedroom of our house on 40m and got DL station.
> have fun
> JonG6UWK
>
> To: ham-antennas@yahoogroups.com
> From: yaktur@...
> Date: Wed, 31 Aug 2011 17:36:02 +0000
> Subject: [ham-antennas] Loop antennas?
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
> I'm buying myself one of these little MFJ loop tuners because I'm curious about loops antennas.
>
>
>
> How do loop antennas compare to dipoles for QRP DX?
>
>
>
> Are the tales of being able to run a loop at earth level true or just myth?
>
>
>
> 73s geo VE3GZB
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19546. RE: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 17:57:56 UTC
From: MIKE DURKIN
Topic: 19543 Message: 19546

First thing that comes to my mind is that its real hard to rotate a 160M dipole ... ;)

To: ham-antennas@yahoogroups.com
From: yaktur@...
Date: Wed, 31 Aug 2011 17:54:12 +0000
Subject: [ham-antennas] Re: Loop antennas?

Well, it's already bought and being shipped. I might run 120W on it or I might run QRP, so I wanted the voltage ratings.

But what I wanted to know was how it compares to a dipole for QRP DX? Does a loop need to be at a certain height to work, like a dipole?

What are the pros and cons?

Thanks and 73s geo VE3GZB

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:

>

>

> Hi geo

> Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old variable capacitor out of valve era radio. Now they are not pile up busting (in my case anyway) but they work. I have use mine in upstairs bedroom of our house on 40m and got DL station.

> have fun

> JonG6UWK

>

> To: ham-antennas@yahoogroups.com

> From: yaktur@...

> Date: Wed, 31 Aug 2011 17:36:02 +0000

> Subject: [ham-antennas] Loop antennas?

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> I'm buying myself one of these little MFJ loop tuners because I'm curious about loops antennas.

>

>

>

> How do loop antennas compare to dipoles for QRP DX?

>

>

>

> Are the tales of being able to run a loop at earth level true or just myth?

>

>

>

> 73s geo VE3GZB

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

19547. Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 18:09:18 UTC
From: geo
Topic: 19543 Message: 19547

That's ok - my short dipole doesn't rotate and I use it on 20 and 17m.

For example, I have worked from my QTH (1.5 hours NW of Toronto, Ontario) to Idaho on 5 watts PEP and recently California on 10 watts PEP.

Can a loop give me comparable performance?

73s geo

--- In ham-antennas@yahoogroups.com, MIKE DURKIN <Patriot121@...> wrote:
>
> First thing that comes to my mind is that its real hard to rotate a 160M dipole ... ;)
>
> To: ham-antennas@yahoogroups.com
> From: yaktur@...
> Date: Wed, 31 Aug 2011 17:54:12 +0000
> Subject: [ham-antennas] Re: Loop antennas?
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Well, it's already bought and being shipped. I might run 120W on it or I might run QRP, so I wanted the voltage ratings.
>
>
>

> But what I wanted to know was how it compares to a dipole for QRP DX? Does a loop need to be at a certain height to work, like a dipole?
>
>
>
> What are the pros and cons?
>
>
>
> Thanks and 73s geo VE3GZB
>
>
>
> --- In ham-antennas@yahoogroups.com, jo barden <jobarden422@> wrote:
>
> >
>
> >
>
> > Hi geo
>
> > Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old variable capacitor out of valve era radio. Now they are not pile up busting (in my case anyway) but they work. I have use mine in upstairs bedroom of our house on 40m and got DL station.
>
> > have fun
>
> > JonG6UWK
>
> >
>
> > To: ham-antennas@yahoogroups.com
>
> > From: yaktur@
>
> > Date: Wed, 31 Aug 2011 17:36:02 +0000
>
> > Subject: [ham-antennas] Loop antennas?
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >

>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> > I'm buying myself one of these little MFJ loop tuners because I'm curious about loops
antennas.
>
> >
>

> >
>
> >
>
> > How do loop antennas compare to dipoles for QRP DX?
>
> >
>
> >
>
> >
>
> > Are the tales of being able to run a loop at earth level true or just myth?
>
> >
>
> >
>
> >
>
> > 73s geo VE3GZB
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>

> >
>
> >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19548. Re: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 18:09:51 UTC
From: Andy
Topic: 19543 Message: 19548

> First thing that comes to my mind is that its real hard to rotate a 160M dipole ... ;)

This isn't a normal sized loop. It's one of those compact loops that
can sit in your room or balcony.

I think there can be a big difference in performance between the two.
But I'm no expert.

Andy

19549. Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 18:22:57 UTC
From: geo
Topic: 19543 Message: 19549

QSL. Open to any more thoughts from anyone too?

Thanks and 73s geo VE3GZB

--- In ham-antennas@yahoogroups.com, Andy <ai.egrps@...> wrote:
>
> > First thing that comes to my mind is that its real hard to rotate a 160M dipole ... ;)
>
> This isn't a normal sized loop. It's one of those compact loops that
> can sit in your room or balcony.
>
> I think there can be a big difference in performance between the two.
> But I'm no expert.
>
> Andy
>

19550. Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 18:53:10 UTC
From: geo
Topic: 19543 Message: 19550

QSL. Open to any more thoughts from anyone too?

Thanks and 73s geo VE3GZB

--- In ham-antennas@yahoogroups.com, Andy <ai.egrps@...> wrote:
>
> > First thing that comes to my mind is that its real hard to rotate a 160M dipole ... ;)
>
> This isn't a normal sized loop. It's one of those compact loops that
> can sit in your room or balcony.
>
> I think there can be a big difference in performance between the two.
> But I'm no expert.
>
> Andy
>

19551. RE: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 19:19:57 UTC
From: jo barden
Topic: 19543 Message: 19551

Oops
Right here goes my take on it. they are inherently high Q devices with very narrow bandwidth so if changing frequency up or down more than a few Khz need adjustment of capacitor, being high Q they can develop high voltages across the open ends where the capacitor is fitted, we are talking several KV so ideal for QRP but not I would recommend 120W I only ran 10W.
I don't know if it applies in VE land but I seem to remember that US stations have to do some sort of RF risk assessment nowadays and I am not sure about distances required to away from antenna for various power levels. This may be something you might want to look into.

Sorry not really answering question but general rule with antennas is higher the better and next to sea water better still.

still learning this end
Jon
G6UWK
To: ham-antennas@yahoogroups.com
From: yaktur@...
Date: Wed, 31 Aug 2011 17:54:12 +0000
Subject: [ham-antennas] Re: Loop antennas?

Well, it's already bought and being shipped. I might run 120W on it or I might run QRP, so I wanted the voltage ratings.

But what I wanted to know was how it compares to a dipole for QRP DX? Does a loop need to be at a certain height to work, like a dipole?

What are the pros and cons?

Thanks and 73s geo VE3GZB

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:

>

>

> Hi geo

> Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old variable capacitor out of valve era radio. Now they are not pile up busting (in my case anyway) but they work. I have use mine in upstairs bedroom of our house on 40m and got DL station.

> have fun

> JonG6UWK

>

> To: ham-antennas@yahoogroups.com

> From: yaktur@...

> Date: Wed, 31 Aug 2011 17:36:02 +0000

> Subject: [ham-antennas] Loop antennas?

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> I'm buying myself one of these little MFJ loop tuners because I'm curious about loops antennas.

>

>

>

> How do loop antennas compare to dipoles for QRP DX?

>

>

>

> Are the tales of being able to run a loop at earth level true or just myth?

>

>

>

> 73s geo VE3GZB

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

19552. Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 19:28:42 UTC
From: VE3FMC
Topic: 19543 Message: 19552

I wold have to think any dipole that is mounted outdoors in the air a decent height is going to out perform the small loop.

I am going to build a single band loop, have the plans here somewhere that allows it to be built without the capacitor.

Mine will be mounted out doors somewhere.

Rick VE3FMC

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Oops
> Right here goes my take on it. they are inherently high Q devices with very narrow bandwidth so if changing frequency up or down more than a few Khz need adjustment of capacitor, being high Q they can develop high voltages across the open ends where the capacitor is fitted, we are talking several KV so ideal for QRP but not I would recommend 120W I only ran 10W.
> I don't know if it applies in VE land but I seem to remember that US stations have to do some sort of RF risk assessment nowadays and I am not sure about distances required to away from antenna for various power levels. This may be something you might want to look into.
>
> Sorry not really answering question but general rule with antennas is higher the better and next to sea water better still.
>
> still learning this end
> Jon
> G6UWK
> To: ham-antennas@yahoogroups.com
> From: yaktur@...
> Date: Wed, 31 Aug 2011 17:54:12 +0000
> Subject: [ham-antennas] Re: Loop antennas?
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Well, it's already bought and being shipped. I might run 120W on it or I might run QRP, so I wanted the voltage ratings.
>
>
>
> But what I wanted to know was how it compares to a dipole for QRP DX? Does a loop need to be at a certain height to work, like a dipole?
>
>
>
> What are the pros and cons?
>
>
>
> Thanks and 73s geo VE3GZB
>
>
>
> --- In ham-antennas@yahoogroups.com, jo barden <jobarden422@> wrote:
>
> >
>
> >
>
> > Hi geo
>
> > Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old variable capacitor out of valve era radio. Now they are not pile up busting (in my case anyway) but they work. I have use mine in upstairs bedroom of our house on 40m and got DL station.
>
> > have fun
>
> > JonG6UWK
>
> >

>
> > To: ham-antennas@yahoogroups.com
>
> > From: yaktur@
>
> > Date: Wed, 31 Aug 2011 17:36:02 +0000
>
> > Subject: [ham-antennas] Loop antennas?
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >

>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> > I'm buying myself one of these little MFJ loop tuners because I'm curious about loops antennas.
>
> >
>
> >
>
> >
>
> > How do loop antennas compare to dipoles for QRP DX?
>
> >
>
> >
>
> >
>
> > Are the tales of being able to run a loop at earth level true or just myth?
>
> >
>
> >
>
> >
>
> > 73s geo VE3GZB
>
> >
>
> >
>
> >
>
> >
>
> >
>

> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]

>

19553. RE: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 19:41:37 UTC
From: Richard Schmuke
Topic: 19543 Message: 19553

Jon hit on a major point of it being very narrow in bandwidth in comparison to a dipole.
A point to think about when you have a small dia loop tuned to a frequency like 20M it covers only small amount of space and thus receives only a limited amount of electrical energy , with a 1/2WL dipole more space is covered so a lot more energy will be received and thus a better received and sent signal strength. Just as my large loop has gain over a 1/2WL dipole, so remember , size does matter in some things.
Rich , KDØZZ , ☺

I know that you believe that you understood what you think I said, but I am not sure you realize that what you heard is not what I meant

Subject: RE: [ham-antennas] Re: Loop antennas?

Oops
Right here goes my take on it. they are inherently high Q devices with very narrow bandwidth so if changing frequency up or down more than a few Khz need adjustment of capacitor, being high Q they can develop high voltages across the open ends where the capacitor is fitted, we are talking several KV so ideal for QRP but not I would recommend 120W I only ran 10W.
I don't know if it applies in VE land but I seem to remember that US stations have to do some sort of RF risk assessment nowadays and I am not sure about distances required to away from antenna for various power levels. This may be something you might want to look into.

Sorry not really answering question but general rule with antennas is higher the better and next to sea water better still.

still learning this end
Jon
G6UWK
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Loop antennas?

Well, it's already bought and being shipped. I might run 120W on it or I might run QRP, so I wanted the voltage ratings.

But what I wanted to know was how it compares to a dipole for QRP DX? Does a loop need to be at a certain height to work, like a dipole?

What are the pros and cons?

Thanks and 73s geo VE3GZB

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:

>

>

> Hi geo

> Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old variable capacitor out of valve era radio. Now they are not pile up busting (in my case anyway) but they work. I have use mine in upstairs bedroom of our house on 40m and got DL station.

> have fun

> JonG6UWK

>

> To: ham-antennas@yahoogroups.com

> From: yaktur@...

> Date: Wed, 31 Aug 2011 17:36:02 +0000

> Subject: [ham-antennas] Loop antennas?

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> I'm buying myself one of these little MFJ loop tuners because I'm curious about loops antennas.

>

>

>

> How do loop antennas compare to dipoles for QRP DX?

>

>

>

> Are the tales of being able to run a loop at earth level true or just myth?

>

>

>

> 73s geo VE3GZB

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19554. Re: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 20:20:30 UTC
From: Ken Burchfield
Topic: 19543 Message: 19554

Rick,
Please share your small loop ,no capacitor plans when you find them.
Thanks
73 Ken..... k5jxl@...

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: VE3FMC <ve3ldb@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 31, 2011 2:28 PM
Subject: [ham-antennas] Re: Loop antennas?

I wold have to think any dipole that is mounted outdoors in the air a decent height is going to out perform the small loop.

I am going to build a single band loop, have the plans here somewhere that allows it to be built without the capacitor.

Mine will be mounted out doors somewhere.

Rick VE3FMC

>

[Non-text portions of this message have been removed]

19555. Re: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 20:31:43 UTC
From: Ron Youvan
Topic: 19543 Message: 19555

Rick VE3FMC wrote:

> I wold have to think any dipole that is mounted outdoors in the air a decent height is going to out
> perform the small loop.

> I am going to build a single band loop, have the plans here somewhere that allows it to be built
> without the capacitor.

> Mine will be mounted out doors somewhere.

I have one of the MFJ 9-33 MHz units and I think it performs just as good as a dipole, but the
pattern is different. It is rated at 200 Watts. (mode unknown)
--
Ron KA4INM - Mistakes are often the stepping stones to utter failure.

19556. Re: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 20:44:52 UTC
From: Dean Moore
Topic: 19498 Message: 19556

I'm seeing much discussion of 3-element yagis and other types for 10 meters. For years I used a Sommer XP-807 Multiband Beam on top of an 18 meter high tower and it was wonderful. However I got out of ham radio for about ten years and just recently decided to get back in! (seems we might be approaching a time when we need emergency communications, hi) I just finished constructing a couple weeks ago a simple, cheap, 3-element wideband, short-boom yagi especially for 10 meters, and the unique thing about is it has one director and dual-driven elements and no reflector. I've already over 20 countries with it PSK31 and PSK125 modes! I have a link to the simple design of it in the second paragraph of my personal web page here: http://www.cdagro.com/CD5846/CD5846.html and if I can build it, anyone can! I used a strange combination of tubes--the center driven element is 1/2 inch copper tubes, and the director and rear driven elements are from 7/8" diameter aluminum tubes, and the short boom I cut from an old piece of 2" aluminum irrigation tube that I happened to have! I'll be happy to email photos of the antenna to anyone interested. My email at www.qrz.com .

73, Dean
CD5846 / EX-ZP6XD

paw_paw_nate wrote:
>
>
> Thanks for everyones input, This is the BEST informational group that I
> have joined. I can get underway rebuilding the antenna and maybe get in
> the air waves soon. Thanks again. Nate
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Richard Schmuke" <rdj@...> wrote:
> >
> > My friend Sigi is right as usual. When making fatigue test specimens
> to meet
> > FAA specifications the requirement was to use carbide scrapers, new, not
> > re-sharpened files and new emery sheets to deburr alum billets that were
> > being machined for material certification. It might be a overkill for
> what
> > we do but it can't hurt to try to be right.
> >
> > Rich , Kd0zz
> >
> > Cause it makes deeper scratches instead of polishing ...
> > And maybe if there is a small part or steel wool left I would gess
> that will
> > be a bad thing (different metals)

> > But I am just guessing
> > Greetz
> > sigi
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

19557. RE: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 20:47:28 UTC
From: Richard Schmuke
Topic: 19543 Message: 19557

There are some plans for a loop without the variable capacitor and it uses a section of coax as a capacitor but it cannot change frequency.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of VE3FMC
Sent: Wednesday, August 31, 2011 2:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Loop antennas?

I wold have to think any dipole that is mounted outdoors in the air a decent height is going to out perform the small loop.

I am going to build a single band loop, have the plans here somewhere that allows it to be built without the capacitor.

Mine will be mounted out doors somewhere.

Rick VE3FMC

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , jo barden <jobarden422@...> wrote:
>
>
> Oops
> Right here goes my take on it. they are inherently high Q devices with very narrow bandwidth so if changing frequency up or down more than a few Khz need adjustment of capacitor, being high Q they can develop high voltages across the open ends where the capacitor is fitted, we are talking several KV so ideal for QRP but not I would recommend 120W I only ran 10W.
> I don't know if it applies in VE land but I seem to remember that US stations have to do some sort of RF risk assessment nowadays and I am not sure about distances required to away from antenna for various power levels. This may be something you might want to look into.
>
> Sorry not really answering question but general rule with antennas is higher the better and next to sea water better still.
>
> still learning this end
> Jon
> G6UWK
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> From: yaktur@...
> Date: Wed, 31 Aug 2011 17:54:12 +0000
> Subject: [ham-antennas] Re: Loop antennas?
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Well, it's already bought and being shipped. I might run 120W on it or I might run QRP, so I wanted the voltage ratings.
>
>
>
> But what I wanted to know was how it compares to a dipole for QRP DX? Does a loop need to be at a certain height to work, like a dipole?
>
>
>
> What are the pros and cons?
>
>
>
> Thanks and 73s geo VE3GZB
>
>
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> , jo barden <jobarden422@> wrote:
>
> >
>

> >
>
> > Hi geo
>
> > Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old
variable capacitor out of valve era radio. Now they are not pile up busting
(in my case anyway) but they work. I have use mine in upstairs bedroom of
our house on 40m and got DL station.
>
> > have fun
>
> > JonG6UWK
>
> >
>
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

>
> > From: yaktur@
>
> > Date: Wed, 31 Aug 2011 17:36:02 +0000
>
> > Subject: [ham-antennas] Loop antennas?
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>

> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> > I'm buying myself one of these little MFJ loop tuners because I'm
curious about loops antennas.
>
> >
>
> >
>
> >
>
> >
>
> > How do loop antennas compare to dipoles for QRP DX?
>
> >
>
> >
>
> >
>
> >
>
> > Are the tales of being able to run a loop at earth level true or just
myth?
>

> >
>
> >
>
> >
>
> > 73s geo VE3GZB
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19558. Re: [ham-antennas] Re: 3 ELEMENT YAGI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 20:48:23 UTC
From: mike rilling
Topic: 19498 Message: 19558

unsubscribe me

From: Dean Moore <dean243@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 31, 2011 3:44 PM
Subject: Re: [ham-antennas] Re: 3 ELEMENT YAGI

I'm seeing much discussion of 3-element yagis and other types for 10 meters. For years I used a Sommer XP-807 Multiband Beam on top of an 18 meter high tower and it was wonderful. However I got out of ham radio for about ten years and just recently decided to get back in! (seems we might be approaching a time when we need emergency communications, hi) I just finished constructing a couple weeks ago a simple, cheap, 3-element wideband, short-boom yagi especially for 10 meters, and the unique thing about is it has one director and dual-driven elements and no reflector. I've already over 20 countries with it PSK31 and PSK125 modes! I have a link to the simple design of it in the second paragraph of my personal web page here: http://www.cdagro.com/CD5846/CD5846.html and if I can build it, anyone can! I used a strange combination of tubes--the center driven element is 1/2 inch copper tubes, and the director and rear driven elements are from 7/8" diameter aluminum tubes, and the short boom I cut from an old piece of 2" aluminum irrigation tube that I happened to have! I'll be happy to email photos of the antenna to anyone interested. My email at www.qrz.com .

73, Dean
CD5846 / EX-ZP6XD

paw_paw_nate wrote:
>
>
> Thanks for everyones input, This is the BEST informational group that I
> have joined. I can get underway rebuilding the antenna and maybe get in
> the air waves soon. Thanks again. Nate
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Richard Schmuke" <rdj@...> wrote:
> >
> > My friend Sigi is right as usual. When making fatigue test specimens
> to meet
> > FAA specifications the requirement was to use carbide scrapers, new, not
> > re-sharpened files and new emery sheets to deburr alum billets that were
> > being machined for material certification. It might be a overkill for
> what
> > we do but it can't hurt to try to be right.

> >
> > Rich , Kd0zz
> >
> > Cause it makes deeper scratches instead of polishing ...
> > And maybe if there is a small part or steel wool left I would gess
> that will
> > be a bad thing (different metals)
> > But I am just guessing
> > Greetz
> > sigi
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

<*> To visit your group on the web, go to:
http://groups.yahoo.com/group/ham-antennas/

<*> Your email settings:
Individual Email | Traditional

<*> To change settings online go to:
http://groups.yahoo.com/group/ham-antennas/join
(Yahoo! ID required)

<*> To change settings via email:
ham-antennas-digest@yahoogroups.com
ham-antennas-fullfeatured@yahoogroups.com

<*> To unsubscribe from this group, send an email to:
ham-antennas-unsubscribe@yahoogroups.com

<*> Your use of Yahoo! Groups is subject to:
http://docs.yahoo.com/info/terms/

[Non-text portions of this message have been removed]

19559. Re: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 21:09:26 UTC
From: dean
Topic: 19543 Message: 19559

Being on the side of a mountain is good also.

73, WY6L

-----Original Message-----
From: jo barden
Sent: Wednesday, August 31, 2011 12:19 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Loop antennas?

Oops
Right here goes my take on it. they are inherently high Q devices with very narrow bandwidth so if changing frequency up or down more than a few Khz need adjustment of capacitor, being high Q they can develop high voltages across the open ends where the capacitor is fitted, we are talking several KV so ideal for QRP but not I would recommend 120W I only ran 10W.
I don't know if it applies in VE land but I seem to remember that US stations have to do some sort of RF risk assessment nowadays and I am not sure about distances required to away from antenna for various power levels. This may be something you might want to look into.

Sorry not really answering question but general rule with antennas is higher the better and next to sea water better still.

still learning this end
Jon
G6UWK
To: ham-antennas@yahoogroups.com
From: yaktur@...
Date: Wed, 31 Aug 2011 17:54:12 +0000
Subject: [ham-antennas] Re: Loop antennas?

Well, it's already bought and being shipped. I might run 120W on it or I might run QRP, so I wanted the voltage ratings.

But what I wanted to know was how it compares to a dipole for QRP DX? Does a loop need to be at a certain height to work, like a dipole?

What are the pros and cons?

Thanks and 73s geo VE3GZB

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:

>

>

> Hi geo

> Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old
> variable capacitor out of valve era radio. Now they are not pile up
> busting (in my case anyway) but they work. I have use mine in upstairs
> bedroom of our house on 40m and got DL station.

> have fun

> JonG6UWK

>

> To: ham-antennas@yahoogroups.com

> From: yaktur@...

> Date: Wed, 31 Aug 2011 17:36:02 +0000

> Subject: [ham-antennas] Loop antennas?

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> I'm buying myself one of these little MFJ loop tuners because I'm
> curious about loops antennas.

>

>

>

> How do loop antennas compare to dipoles for QRP DX?

>

>

>

> Are the tales of being able to run a loop at earth level true or just
> myth?

>

>

>

> 73s geo VE3GZB

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19560. Coax to 20 meter dipole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 21:22:08 UTC
From: neilkj6fba
Topic: 19560 Message: 19560

I am upgrading my ticket to general in two weeks (assuming I pass!). I will be erecting a 20 meter band dipole for a new HF transceiver and I have access to a large quantity of RG6 quad shield coax. It is, of course 72 ohm and the ideal would be 50 ohm. The coax run will be about 50-65 feet. Is this going to be a significant problem if I use this quality RG6 ?

Comments will be most welcome!

Neil Bell
KJ6FBA

19561. Re: [ham-antennas] Coax to 20 meter dipole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 22:45:45 UTC
From: Larry Tooley
Topic: 19560 Message: 19561

Oh yes! Ship it all to me. Just kidding.

Between two trees 40 feet up giving you 50 ohms. Your 75 ohm coax I think will give you a 1:5 to one SWR.

----- Original Message -----
From: neilkj6fba
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 31, 2011 4:22 PM
Subject: [ham-antennas] Coax to 20 meter dipole question

I am upgrading my ticket to general in two weeks (assuming I pass!). I will be erecting a 20 meter band dipole for a new HF transceiver and I have access to a large quantity of RG6 quad shield coax. It is, of course 72 ohm and the ideal would be 50 ohm. The coax run will be about 50-65 feet. Is this going to be a significant problem if I use this quality RG6 ?

Comments will be most welcome!

Neil Bell
KJ6FBA

[Non-text portions of this message have been removed]

19562. RE: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 22:50:21 UTC
From: Richard Schmuke
Topic: 19543 Message: 19562

I love my large loop. If I was ever to build a small loop antenna I would copy N3KNZ's http://www.standpipe.com/w2bri/article7.htm

Octagon loop on the lower part of the page, this starts to go beyond antenna work and into art work. This could go on a porch and who could complain.

Rich , Kd0zz

[Non-text portions of this message have been removed]

19563. RE: [ham-antennas] Coax to 20 meter dipole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 22:53:57 UTC
From: Richard Schmuke
Topic: 19560 Message: 19563

It will work fine. A antenna is sometimes closer to 70 ohm then 50, it all depends on what is near it and how high or low it is.

Rich , kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of neilkj6fba
Sent: Wednesday, August 31, 2011 4:22 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Coax to 20 meter dipole question

I am upgrading my ticket to general in two weeks (assuming I pass!). I will be erecting a 20 meter band dipole for a new HF transceiver and I have access to a large quantity of RG6 quad shield coax. It is, of course 72 ohm and the ideal would be 50 ohm. The coax run will be about 50-65 feet. Is this going to be a significant problem if I use this quality RG6 ?

Comments will be most welcome!

Neil Bell
KJ6FBA

[Non-text portions of this message have been removed]

19564. Re: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 23:07:58 UTC
From: Ken Burchfield
Topic: 19543 Message: 19564

I have posted the Link that Rick,VE3FMC send me where I could find plans for that antenna that
He spoke about.
This is W2BRI magnetic Loop.
http://www.standpipe.com/w2bri/build.htm
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

[Non-text portions of this message have been removed]

19565. Using my FT-817 with antenna installed on my bicycle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 23:17:39 UTC
From: CarlL
Topic: 19565 Message: 19565

I did a quick antenna install on my bicycle and was using my FT-817 and got great results! I got few QSO's at 2400 miles ++ under 30 minutes on 15M and 20M SSB Phone.

http://www.youtube.com/watch?v=0qzAmI0XWgY
<http://www.youtube.com/watch?v=0qzAmI0XWgY>
<http://www.youtube.com/watch?v=0qzAmI0XWgY
<http://www.youtube.com/watch?v=0qzAmI0XWgY> >

Cheers,

Carl

[Non-text portions of this message have been removed]

19566. RE: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-08-31 21:25:29 UTC
From: Dave
Topic: 19543 Message: 19566

Not to add any controversy to the discussion but I have a vertical loop I use on 80/ 75 meters and I have worked 75 countries over the past 2 years. It's 60 feet tall on each vertical leg and 100' across on the horizontal legs. I feed it at the bottom horizontal leg center point with 450 ohm twin lead and an antenna tuner. I do have to re-tune via the antenna tuner if I move from one end of the band to the other, but as far as 25khz or so, no sweat, no need to retune.

I have used horizontal loops successfully before, same configuration only horizontally polarized instead of vertically. I found this to be nothng more than a cloud burner. Maybe 500 - 1000 miles. Could hear the dx, but contacting them was next to impossible.

Thanks for the bandwidth.

Dave

-----Original Message-----
From: Richard Schmuke
Sent: Aug 31, 2011 3:41 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Loop antennas?

Jon hit on a major point of it being very narrow in bandwidth in comparison to a dipole.
A point to think about when you have a small dia loop tuned to a frequency like 20M it covers only small amount of space and thus receives only a limited amount of electrical energy , with a 1/2WL dipole more space is covered so a lot more energy will be received and thus a better received and sent signal strength. Just as my large loop has gain over a 1/2WL dipole, so remember , size does matter in some things.
Rich , KDØZZ , ☺

I know that you believe that you understood what you think I said, but I am not sure you realize that what you heard is not what I meant

Subject: RE: [ham-antennas] Re: Loop antennas?

Oops
Right here goes my take on it. they are inherently high Q devices with very narrow bandwidth so if changing frequency up or down more than a few Khz need adjustment of capacitor, being high Q they can develop high voltages across the open ends where the capacitor is fitted, we are talking several KV so ideal for QRP but not I would recommend 120W I only ran 10W.
I don't know if it applies in VE land but I seem to remember that US stations have to do some sort of RF risk assessment nowadays and I am not sure about distances required to away from antenna for various power levels. This may be something you might want to look into.

Sorry not really answering question but general rule with antennas is higher the better and next to sea water better still.

still learning this end
Jon
G6UWK
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Loop antennas?

Well, it's already bought and being shipped. I might run 120W on it or I might run QRP, so I wanted the voltage ratings.

But what I wanted to know was how it compares to a dipole for QRP DX? Does a loop need to be at a certain height to work, like a dipole?

What are the pros and cons?

Thanks and 73s geo VE3GZB

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:

>

>

> Hi geo

> Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old variable capacitor out of valve era radio. Now they are not pile up busting (in my case anyway) but they work. I have use mine in upstairs bedroom of our house on 40m and got DL station.

> have fun

> JonG6UWK

>

> To: ham-antennas@yahoogroups.com

> From: yaktur@...

> Date: Wed, 31 Aug 2011 17:36:02 +0000

> Subject: [ham-antennas] Loop antennas?

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> I'm buying myself one of these little MFJ loop tuners because I'm curious about loops antennas.

>

>

>

> How do loop antennas compare to dipoles for QRP DX?

>

>

>

> Are the tales of being able to run a loop at earth level true or just myth?

>

>

>

> 73s geo VE3GZB

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

_____
PeoplePC Online
A better way to Internet
http://www.peoplepc.com

19567. Re: [ham-antennas] Re:Unsubscribe!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-01 01:10:10 UTC
From: David Myers
Topic: 19498 Message: 19567

Dean,

You have to go to the bottom of the page and use the Unsubscribe link there.

It will automatically take you off the list.

Cheers,

Dave VK2RD

19568. Re: [ham-antennas] Re:UnsubscribeI

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-01 01:28:44 UTC
From: Larry Tooley
Topic: 19498 Message: 19568

Dean, you can't unsubscribe until you give us all your secrets. Sad to see you go.

----- Original Message -----
From: David Myers
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 31, 2011 8:10 PM
Subject: Re: [ham-antennas] Re:UnsubscribeI

Dean,

You have to go to the bottom of the page and use the Unsubscribe link there.

It will automatically take you off the list.

Cheers,

Dave VK2RD

[Non-text portions of this message have been removed]

19569. Re: [ham-antennas] Coax to 20 meter dipole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-01 01:58:12 UTC
From: Ron Youvan
Topic: 19560 Message: 19569

neilkj6fba wrote:

> I am upgrading my ticket to general in two weeks (assuming I pass!). I will be erecting a 20 meter
> band dipole for a new HF transceiver and I have access to a large quantity of RG6 quad shield coax.
> It is, of course 72 ohm and the ideal would be 50 ohm. The coax run will be about 50-65 feet. Is
> this going to be a significant problem if I use this quality RG6 ?

> Comments will be most welcome!

Since dipoles are 73 Ohm devices that should work perfectly.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19570. Re: [ham-antennas] Coax to 20 meter dipole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-01 02:15:42 UTC
From: Ron Youvan
Topic: 19560 Message: 19570

Neil Bell KJ6FBA wrote:

> I am upgrading my ticket to general in two weeks (assuming I pass!). I will
> be erecting a 20 meter band dipole for a new HF transceiver and I have
> access to a large quantity of RG6 quad shield coax. It is, of course 72 ohm
> and the ideal would be 50 ohm. The coax run will be about 50-65 feet. Is
> this going to be a significant problem if I use this quality RG6 ?

> Comments will be most welcome!

Richard Schmuke wrote:

> It will work fine. A antenna is sometimes closer to 70 ohm then 50, it all
> depends on what is near it and how high or low it is.

It's the nature of dipoles to be resonant at the design (formula) frequency with a 73 Ohm load at
it's center with little reactance. (or with an unbroken center)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19571. Re: [ham-antennas] Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-01 02:31:33 UTC
From: Ron Youvan
Topic: 19543 Message: 19571

Dave wrote:

> Not to add any controversy to the discussion but I have a vertical loop I use on 80/ 75 meters and I
> have worked 75 countries over the past 2 years. It's 60 feet tall on each vertical leg and 100'
> across on the horizontal legs. I feed it at the bottom horizontal leg center point with 450 ohm twin
> lead and an antenna tuner. I do have to re-tune via the antenna tuner if I move from one end of the
> band to the other, but as far as 25 kHz or so, no sweat, no need to retune.

> I have used horizontal loops successfully before, same configuration only horizontally polarized
> instead of vertically. I found this to be nothing more than a cloud burner. Maybe 500 - 1000 miles.
> Could hear the DX, but contacting them was next to impossible.

> Thanks for the bandwidth.

Loop, LOOP, loop, lets keep "big loops" (such as this) separate from the small "magnetic loops"
that are "resonated on frequency" in our minds.
The horizontal big loops tend to produce a primarily horizontally polarized signals and the vertically orientated big loops tend to produce a primarily vertically polarized signals, which for
several reasons work better for DX. (A dipole antenna's signal after one bounce tends to arrive
vertically polarized)
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

19572. Re: [ham-antennas] Coax to 20 meter dipole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-01 02:56:30 UTC
From: Andy
Topic: 19560 Message: 19572

> It's the nature of dipoles to be resonant at the design (formula) frequency with a 73 Ohm load at
> it's center with little reactance. (or with an unbroken center)

True if it's in free space. Above earth, and near buildings and other objects, it will be different.

Bottom line is, it's not going to make a big difference to this antenna. It'll work. Could it be better with another coax? Probably. Would you notice the difference? Not necessarily.

Some cases to consider: If the dipole happens to come out at 75 ohms, then the SWR on the coax is ideal (1:1), and your rig would see a 1.5:1 SWR looking into it. If the dipole is at a height that makes it around 50 ohms, then the SWR on the coax is 1.5:1, but the SWR seen by your rig could be anywhere from 1:1 to 2:1 depending on coax length. If it's a quarter wavelength long (or an odd multiple), it would transform 50 ohms at one end to 100 ohms at the other. Neither of these is really bad; but you might be a tad better off using 50 ohm coax because the SWR relative to 50 ohms stays a little lower. That's not enough reason to throw away a bunch of RG-6 you already have, I think.

Andy

19573. Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-01 06:44:23 UTC
From: applewiz2000
Topic: 19543 Message: 19573

Hi Group,

Yes big loops work entirely differently to small loops. It's because small loops interact far more with the H-field (magnetic) and the large ones more with the E-field (electric).

BTW there is a dedicated Yahoo group for small loops.

Small loops do not give something for nothing. Looking at the professional research on small antennas, they have a worse Chu limit than their electrically based cousins.

Going back to the original question, a small loop will not compare to an outdoor dipole for QRP DX. But it will get you on the air, you just have to wait a bit longer for a break in conditions.

73s,
Rob.

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
> Dave wrote:
>
> > Not to add any controversy to the discussion but I have a vertical loop I use on 80/ 75 meters and I
> > have worked 75 countries over the past 2 years. It's 60 feet tall on each vertical leg and 100'
> > across on the horizontal legs. I feed it at the bottom horizontal leg center point with 450 ohm twin
> > lead and an antenna tuner. I do have to re-tune via the antenna tuner if I move from one end of the
> > band to the other, but as far as 25 kHz or so, no sweat, no need to retune.
>
> > I have used horizontal loops successfully before, same configuration only horizontally polarized
> > instead of vertically. I found this to be nothing more than a cloud burner. Maybe 500 - 1000 miles.
> > Could hear the DX, but contacting them was next to impossible.
>
> > Thanks for the bandwidth.
>
> Loop, LOOP, loop, lets keep "big loops" (such as this) separate from the small "magnetic loops"
> that are "resonated on frequency" in our minds.
> The horizontal big loops tend to produce a primarily horizontally polarized signals and the
> vertically orientated big loops tend to produce a primarily vertically polarized signals, which for
> several reasons work better for DX. (A dipole antenna's signal after one bounce tends to

arrive
> vertically polarized)

19574. Re: [ham-antennas] Coax to 20 meter dipole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-01 12:59:58 UTC
From: doug pfaff
Topic: 19560 Message: 19574

Neil

Today's transmitter want only a 50 ohm load on any band, using a complete run of 75 ohm coax is not a good idea it will give a 75 ohm load at the transmitter use an antenna analyzer before going on the air at the transmitter end to find out what the transmitter is seeing as a load,you can also profile over the whole frequency range of operation.

Suggest you test the installation before finalizing things leaving the coax and antenna easily accessible,have you comfier the coaxial balun etc you also need or the 1:1 balun remember your going from an unbalanced to balanced situation.

Has your general class ticket covered of the aspects or do you need to do more study?.

One of the locals has now got his transmitter limiting to 65 watts due to the self protection circuit operating due to an antenna that out of range.

That is why older tube rigs had a matching and loading operation to match transmitter to the antenna. Your modern antenna tuner on modern rigs is doing the same thing there is a limited range of adjustment though refer to your spec sheet.

I used a 75 ohm matching section to lower the impedance from 100 ohm to 50 ohms and the length was only 1/4 wave matching section. Calculate what wavelength 65 feet gives you on 14 mhz band.

Suggest you look at a ARRL handbook and look up antenna matching and antennas sections.
ARRL's Small Antennas for Small Spaces
Find the right antenna design to fit your available space. Includes ideas and projects to get you on the air regardless of where you live!

The ARRL Antenna Compendium Volume 8
Proven HF and VHF designs from the pages of QST.

On a beam antenna that is why you have a matching device at the driven element to give you a match close to 50 ohms

ARRL also makes antenna only reference a dipole is just one antenna design I used a loop antenna for 20 meters and out preformed other wire antenna designs on a city lot and was only 5 feet off the ground at the bottom.

Even though a higher dipole(had a 40 foot advantage based on the apartment building height) had less success, my lower mounted antenna made the contact on first call. height is not always the deterring factor. The loop antenna was a very simple factor for a 25 foot tower support structure.

An old adage the antenna makes or breaks the installation.

Consider all your options after doing some research.

Good Luck

Doug VE5DCP

Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Wednesday, August 31, 2011 7:58 PM
Subject: Re: [ham-antennas] Coax to 20 meter dipole question

neilkj6fba wrote:

> I am upgrading my ticket to general in two weeks (assuming I pass!). I will be erecting a 20 meter
> band dipole for a new HF transceiver and I have access to a large quantity of RG6 quad shield coax.
> It is, of course 72 ohm and the ideal would be 50 ohm. The coax run will be about 50-65 feet. Is
> this going to be a significant problem if I use this quality RG6 ?

> Comments will be most welcome!

Since dipoles are 73 Ohm devices that should work perfectly.
--
Ron KA4INM - I've been carving my initials on trees and furniture all my life
'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9

[Non-text portions of this message have been removed]

19575. Bad Link

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-01 18:46:22 UTC
From: John
Topic: 19575 Message: 19575

The link in "Links" My Top Five Backyard Multi-Band Wire HF Antennas
is not pointing to the proper place. If this is not the proper place for this message,
please let me know. John, W8CCW

19576. Re: Coax to 20 meter dipole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 02:29:33 UTC
From: geo
Topic: 19560 Message: 19576

I'm using a TS-830S and it's transmitter output ratings are: 50-75 Ohms (read from the users manual).

My guess is that other transceivers might or might not be as flexible. Maybe tube/hybrid transceivers are more flexible?

But always please read your users manual to confirm or deny your transceiver's output requirements.

73s geo VE3GZB

--- In ham-antennas@yahoogroups.com, "doug pfaff" <doug.pfaff@...> wrote:
>
>
>
> Neil
>
> Today's transmitter want only a 50 ohm load on any band, using a complete run of 75 ohm coax is not a good idea it will give a 75 ohm load at the transmitter use an antenna analyzer before going on the air at the transmitter end to find out what the transmitter is seeing as a load,you can also profile over the whole frequency range of operation.
>
> Suggest you test the installation before finalizing things leaving the coax and antenna easily accessible,have you comfier the coaxial balun etc you also need or the 1:1 balun remember your going from an unbalanced to balanced situation.
>
>
> Has your general class ticket covered of the aspects or do you need to do more study?.
>
> One of the locals has now got his transmitter limiting to 65 watts due to the self protection circuit operating due to an antenna that out of range.
>
> That is why older tube rigs had a matching and loading operation to match transmitter to the antenna. Your modern antenna tuner on modern rigs is doing the same thing there is a limited range of adjustment though refer to your spec sheet.
>
> I used a 75 ohm matching section to lower the impedance from 100 ohm to 50 ohms and the length was only 1/4 wave matching section. Calculate what wavelength 65 feet gives you on 14 mhz band.
>
> Suggest you look at a ARRL handbook and look up antenna matching and antennas sections.
> ARRL's Small Antennas for Small Spaces
> Find the right antenna design to fit your available space. Includes ideas and projects to get you on the air regardless of where you live!
>
>

> The ARRL Antenna Compendium Volume 8
> Proven HF and VHF designs from the pages of QST.
>
>
>
> On a beam antenna that is why you have a matching device at the driven element to give you a match close to 50 ohms
>
> ARRL also makes antenna only reference a dipole is just one antenna design I used a loop antenna for 20 meters and out preformed other wire antenna designs on a city lot and was only 5 feet off the ground at the bottom.
>
> Even though a higher dipole(had a 40 foot advantage based on the apartment building height) had less success, my lower mounted antenna made the contact on first call. height is not always the deterring factor. The loop antenna was a very simple factor for a 25 foot tower support structure.
>
>
> An old adage the antenna makes or breaks the installation.
>
> Consider all your options after doing some research.
>
> Good Luck
>
> Doug VE5DCP
>
>
>
>
>
>
> Doug Pfaff
> doug.pfaff@...
> ----- Original Message -----
> From: Ron Youvan
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, August 31, 2011 7:58 PM
> Subject: Re: [ham-antennas] Coax to 20 meter dipole question
>
>
>
> neilkj6fba wrote:
>
> > I am upgrading my ticket to general in two weeks (assuming I pass!). I will be erecting a 20 meter
> > band dipole for a new HF transceiver and I have access to a large quantity of RG6 quad shield coax.
> > It is, of course 72 ohm and the ideal would be 50 ohm. The coax run will be about 50-65 feet. Is
> > this going to be a significant problem if I use this quality RG6 ?
>

> > Comments will be most welcome!
>
> Since dipoles are 73 Ohm devices that should work perfectly.
> --
> Ron KA4INM - I've been carving my initials on trees and furniture all my life
> 'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9
>
>
>
>
> [Non-text portions of this message have been removed]
>

19577. Re: [ham-antennas] Re: Coax to 20 meter dipole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 13:50:38 UTC
From: dean
Topic: 19560 Message: 19577

Well I’m using an old FT-950. I bought it in 2007, Hi Hi. The Antenna Impedance is 50 Ohms unbalanced and it also says 16.7 – 150 Ohms unbalanced (Tuner ON, 160 – 6 m Amateur bands, TX only).

So I’m taking it that my radio will work with an Antenna Impedance of 16.7 – 150 Ohms unbalanced. Right at the top of my feedline to the antenna I have an “Ugly Balun” so my feedline is not part of the antenna and it keeps the RF out of my shack.

73, WY6L

From: geo
Sent: Thursday, September 01, 2011 7:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Coax to 20 meter dipole question

I'm using a TS-830S and it's transmitter output ratings are: 50-75 Ohms (read from the users manual).

My guess is that other transceivers might or might not be as flexible. Maybe tube/hybrid transceivers are more flexible?

But always please read your users manual to confirm or deny your transceiver's output requirements.

73s geo VE3GZB

--- In mailto:ham-antennas%40yahoogroups.com, "doug pfaff" <doug.pfaff@...> wrote:
>
>
>
> Neil
>
> Today's transmitter want only a 50 ohm load on any band, using a complete run of 75 ohm coax is not a good idea it will give a 75 ohm load at the transmitter use an antenna analyzer before going on the air at the transmitter end to find out what the transmitter is seeing as a load,you can also profile over the whole frequency range of operation.
>
> Suggest you test the installation before finalizing things leaving the coax and antenna easily accessible,have you comfier the coaxial balun etc you also need or the 1:1 balun remember your going from an unbalanced to balanced situation.
>
>
> Has your general class ticket covered of the aspects or do you need to do more study?.
>
> One of the locals has now got his transmitter limiting to 65 watts due to the self protection circuit operating due to an antenna that out of range.
>

> That is why older tube rigs had a matching and loading operation to match transmitter to the antenna. Your modern antenna tuner on modern rigs is doing the same thing there is a limited range of adjustment though refer to your spec sheet.
>
> I used a 75 ohm matching section to lower the impedance from 100 ohm to 50 ohms and the length was only 1/4 wave matching section. Calculate what wavelength 65 feet gives you on 14 mhz band.
>
> Suggest you look at a ARRL handbook and look up antenna matching and antennas sections.
> ARRL's Small Antennas for Small Spaces
> Find the right antenna design to fit your available space. Includes ideas and projects to get you on the air regardless of where you live!
>
>
> The ARRL Antenna Compendium Volume 8
> Proven HF and VHF designs from the pages of QST.
>
>
>
> On a beam antenna that is why you have a matching device at the driven element to give you a match close to 50 ohms
>
> ARRL also makes antenna only reference a dipole is just one antenna design I used a loop antenna for 20 meters and out preformed other wire antenna designs on a city lot and was only 5 feet off the ground at the bottom.
>
> Even though a higher dipole(had a 40 foot advantage based on the apartment building height) had less success, my lower mounted antenna made the contact on first call. height is not always the deterring factor. The loop antenna was a very simple factor for a 25 foot tower support structure.
>
>
> An old adage the antenna makes or breaks the installation.
>
> Consider all your options after doing some research.
>
> Good Luck
>
> Doug VE5DCP
>
>
>
>
>
> Doug Pfaff
> doug.pfaff@...
> ----- Original Message -----
> From: Ron Youvan
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Wednesday, August 31, 2011 7:58 PM

> Subject: Re: [ham-antennas] Coax to 20 meter dipole question
>
>
>
> neilkj6fba wrote:
>
> > I am upgrading my ticket to general in two weeks (assuming I pass!). I will be erecting a 20 meter
> > band dipole for a new HF transceiver and I have access to a large quantity of RG6 quad shield coax.
> > It is, of course 72 ohm and the ideal would be 50 ohm. The coax run will be about 50-65 feet. Is
> > this going to be a significant problem if I use this quality RG6 ?
>
> > Comments will be most welcome!
>
> Since dipoles are 73 Ohm devices that should work perfectly.
> --
> Ron KA4INM - I've been carving my initials on trees and furniture all my life
> 'course I didn't use my own initials, I'm not stupid ... Earl Pitts 4-2-9
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19578. OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 15:04:34 UTC
From: AnthonyS
Topic: 15544 Message: 19578

I have come across at least 5 manufacturers of OCF dipoles for 40-20-10-6 Meters. They all have the same dimensions, namely 23 ft on one side and 45 ft on the other of the center OC feed point. Some use 6:1 baluns some use 4:1 baluns.

My question is...are they all really the same OR is there possibly a difference in design and performance. They all claim to be the best OCF dipole. Over the last three years I have used (for various reasons) two different ones and about to try a third. I have see differences but not sure if it is due to propagation or the actual antenna.

Any thoughts?

Tony
WA2LNC

19579. Re: [ham-antennas] OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 15:43:21 UTC
From: Frank Kirschner
Topic: 15544 Message: 19579

I haven't tried them all, but it seems to me that if the dimensions are the same, the only difference would be the quality of the materials and workmanship. Unless one uses a toroid with high loss, the on-air performance should be the same, unless one winds up lying on the ground due to poor quality materials or workmanship.

73,
Frank
KF6E

On Fri, Sep 2, 2011 at 11:04 AM, AnthonyS <liber214@...> wrote:

> **
>
>
> I have come across at least 5 manufacturers of OCF dipoles for 40-20-10-6
> Meters. They all have the same dimensions, namely 23 ft on one side and 45
> ft on the other of the center OC feed point. Some use 6:1 baluns some use
> 4:1 baluns.
>
> My question is...are they all really the same OR is there possibly a
> difference in design and performance. They all claim to be the best OCF
> dipole. Over the last three years I have used (for various reasons) two
> different ones and about to try a third. I have see differences but not sure
> if it is due to propagation or the actual antenna.
>
> Any thoughts?
>
> Tony
> WA2LNC
>
>
>

[Non-text portions of this message have been removed]

19580. RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 16:12:06 UTC
From: John Gatwood
Topic: 19580 Message: 19580

Given that ALL dimensions AND feeds are the same (to include wire gauge of the dipole segments) the antennas in question SHOULD preform in a near identical manner.

Having said that (and most likely stuck my foot in my mouth) , the next thing to look at is , of the group in question are they ALL true OCFD's ? , COAX feed to the balun / center insulator ? , or is there ladder line / window line involved and what length (this would bring the antenna closer to the original "WINDOM" configuration).
Wire diameter / type of the Dipole is also a big factor, the conductivity factor of copper is less than copper clad steel or stainless steel.

There is quite a bit of information on the net about OCFD's and "WINDOM's" , you have to decide which is right for you .

73, John

--
*SOCIALISM in ANY form IS a SOCIAL DISEASE !

"Politicians AND Diapers Should Be Changed Frequently, And For The Same Reason"

SAY WHAT YOU THINK !
THOSE WHO MATTER, WON'T MIND
THOSE THAT MIND, DON"T MATTER !
*
DE: W9WLS

[Non-text portions of this message have been removed]

19581. RE: [ham-antennas] OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 17:05:19 UTC
From: jo barden
Topic: 15544 Message: 19581

Hi Tony

I use an OCFD and can attest that it at my QTH is a good antenna, for info go to http://hamwaves.com/cl-ocfd/principle.html now to address some of your points as I understand it with the offset the impedance should be of the order of 300 ohms however that is with the antenna being up at a reasonable height (in wavelengths) so when closer to the ground the impedance will be lower. Also making 6:1 balun involves effectively making 2 baluns whereas for 200 ohm a single 4:1 balun can be used which is easier to make.

I use a Z11 pro11 tuner with mine and I am happy with this setup. My views on tuners has changed over the years and now I just accept it as part of a multi-band system. Yes you might have SWR of 1:1.5 on some bands but I have a great big Oak tree in next doors garden overhanging my antenna so I need a tuner.

The antenna is easy to make and even the balun is not hard. My balun is made with torrid but I have just won some old AM radio ferrite rods so I am going to be making one using two of these. I only run 100W so flux saturation should not be a problem but I like "playing"

Have fun and if you want plans I can email them to you.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: liber214@...
Date: Fri, 2 Sep 2011 15:04:34 +0000
Subject: [ham-antennas] OCF Antenna Question

I have come across at least 5 manufacturers of OCF dipoles for 40-20-10-6 Meters. They all have the same dimensions, namely 23 ft on one side and 45 ft on the other of the center OC feed point. Some use 6:1 baluns some use 4:1 baluns.

My question is...are they all really the same OR is there possibly a difference in design and performance. They all claim to be the best OCF dipole. Over the last three years I have used (for various reasons) two different ones and about to try a third. I have see differences but not sure if it is due to propagation or the actual antenna.

Any thoughts?

Tony

WA2LNC

[Non-text portions of this message have been removed]

19582. Re: [ham-antennas] OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 17:49:22 UTC
From: Frank Kirschner
Topic: 15544 Message: 19582

Actually, you can make a 6:1 balun with a single core easily. You just need a turns ratio of the square root of six, or around 2.4. So 12 turns in the secondary to five turns in the primary would give you a 6:1 impedance ratio.

73,
Frank
KF6E

On Fri, Sep 2, 2011 at 1:05 PM, jo barden <jobarden422@...> wrote:

> Also making 6:1 balun involves effectively making 2 baluns whereas for 200
> ohm a single 4:1 balun can be used which is easier to make.

[Non-text portions of this message have been removed]

19583. Re: OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 18:10:39 UTC
From: applewiz2000
Topic: 15544 Message: 19583

Hi Tony,

See here:
http://hamwaves.com/cl-ocfd/offset.html

It's possible to use different feedpoints on OCFs. Which is "best" depends on what bands you want to cover, and what SWR you expect.

Aside from feedpoint, the main difference between OCFs is those with a current balun or those with voltage balun. The latter use the coax as part of the antenna.

73s,
Rob.

--- In ham-antennas@yahoogroups.com, "AnthonyS" <liber214@...> wrote:
> I have come across at least 5 manufacturers of OCF dipoles for 40-20-10-6 Meters. They all have the same dimensions, namely 23 ft on one side and 45 ft on the other of the center OC feed point. Some use 6:1 baluns some use 4:1 baluns.
>
> My question is...are they all really the same OR is there possibly a difference in design and performance. They all claim to be the best OCF dipole. Over the last three years I have used (for various reasons) two different ones and about to try a third. I have see differences but not sure if it is due to propagation or the actual antenna.

19584. Re: [ham-antennas] OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 18:28:31 UTC
From: dean
Topic: 15544 Message: 19584

From what I understand is the Carolina Windom is far superior to most manufacturers OCF dipoles, of course you need room and have to keep it flat.

http://www.radioworks.com/ccwcover.html

http://www.hamradiosecrets.com/windom-antenna.html

http://www.eham.net/reviews/detail/2164

http://www.packetradio.com/windom.htm

73, WY6L

From: AnthonyS
Sent: Friday, September 02, 2011 8:04 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] OCF Antenna Question

I have come across at least 5 manufacturers of OCF dipoles for 40-20-10-6 Meters. They all have the same dimensions, namely 23 ft on one side and 45 ft on the other of the center OC feed point. Some use 6:1 baluns some use 4:1 baluns.

My question is...are they all really the same OR is there possibly a difference in design and performance. They all claim to be the best OCF dipole. Over the last three years I have used (for various reasons) two different ones and about to try a third. I have see differences but not sure if it is due to propagation or the actual antenna.

Any thoughts?

Tony
WA2LNC

[Non-text portions of this message have been removed]

19585. RE: [ham-antennas] OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 18:48:16 UTC
From: jo barden
Topic: 15544 Message: 19585

Thanks Frank

I didn't know that, that is what is nice about group.

cheers

Jon

To: ham-antennas@yahoogroups.com
From: frank@...
Date: Fri, 2 Sep 2011 13:49:22 -0400
Subject: Re: [ham-antennas] OCF Antenna Question

Actually, you can make a 6:1 balun with a single core easily. You just need

a turns ratio of the square root of six, or around 2.4. So 12 turns in the

secondary to five turns in the primary would give you a 6:1 impedance ratio.

73,

Frank

KF6E

On Fri, Sep 2, 2011 at 1:05 PM, jo barden <jobarden422@...> wrote:

> Also making 6:1 balun involves effectively making 2 baluns whereas for 200

> ohm a single 4:1 balun can be used which is easier to make.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19586. Re: OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 20:27:30 UTC
From: odonjim
Topic: 15544 Message: 19586

Tony,

The quality of the balun is the major cost driver and, of course, wire quality can also impact cost. The balun design/construction can have a impact on performance characteristics and the long term reliability of the antenna.

I built my own OCF cut for 80m and it has low SWR on 80-40-20-17-12-10-6, but worthless on 15m. SWR is under 2.2:1 everywhere on those bands - actually under 1.5:1 most places I operate, but I normally use a tuner anyway. My dual (4:1 impedance and 1:1 current since the OCF will tend to send RF back to the shack) balun was about $100 since I did not build it and I run up to 800W through it so bought a 2kW rated balun.

You can do a little research, but I've seen 4:1 recommended for installations less than 40' high and 6:1 for higher than 40' in order to properly match a 50 ohm feedline to the antenna impedance. Mine is pretty much flat top now at about 28', but I plan to raise the center another 5' or so.

73.....Jim KR9E

19587. RE: [ham-antennas] OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 21:34:29 UTC
From: Richard Schmuke
Topic: 15544 Message: 19587

The only way I know of checking them is to have, some very expensive test equipment in a anechoic chamber or put two or three up at the same time , same height, same direction same feed length and a coax switch. To say you had a 57 report on Tuesday and a 59 on Friday is apples to oranges.

Rich , KDØZZ , ☺

Disclaimer: Any errors in spelling or facts are transmission errors.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of AnthonyS
Sent: Friday, September 02, 2011 10:05 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] OCF Antenna Question

I have come across at least 5 manufacturers of OCF dipoles for 40-20-10-6 Meters. They all have the same dimensions, namely 23 ft on one side and 45 ft on the other of the center OC feed point. Some use 6:1 baluns some use 4:1 baluns.

My question is...are they all really the same OR is there possibly a difference in design and performance. They all claim to be the best OCF dipole. Over the last three years I have used (for various reasons) two different ones and about to try a third. I have see differences but not sure if it is due to propagation or the actual antenna.

Any thoughts?

Tony
WA2LNC

[Non-text portions of this message have been removed]

19588. RE: [ham-antennas] OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 22:15:02 UTC
From: Richard Schmuke
Topic: 15544 Message: 19588

Jon, G6UWK you are correct about a 6:1 balun.

I have made 1:1, 2:1, 4:1 and 9:1 baluns but never a 6:1 so not knowing how I got out my book by Jerry Sevick, W2FMI and he has schematics on both series and parallel type baluns and both use a 1.56:1 unun into a 4:1 balun to come close to a 6:1 setup. None of his are on a single core.

Reference: Understanding, Building and Using Baluns and Ununs, by Jerry Sevick

Rich ,Kd0zz

Actually, you can make a 6:1 balun with a single core easily. You just need a turns ratio of the square root of six, or around 2.4. So 12 turns in the secondary to five turns in the primary would give you a 6:1 impedance ratio.

73,
Frank
KF6E

On Fri, Sep 2, 2011 at 1:05 PM, jo barden <jobarden422@...
<mailto:jobarden422%40msn.com> > wrote:

> Also making 6:1 balun involves effectively making 2 baluns whereas for 200
> ohm a single 4:1 balun can be used which is easier to make.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19589. Re: OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 23:18:31 UTC
From: g4ldsqrp
Topic: 15544 Message: 19589

My version is 22' + 44' fed via a 4:1 current balun. which gives a good match on 30/14/28/50 Mhz & Atu for 60/40/18/21.

its fed with 50 coax.

Another one I HAVNT tried but appears to give a better match has thev legs @ 14'+ 54' again fed via a 4:1 CURRENT balun.

Chris

G4LDS

-

19590. Re: [ham-antennas] RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-02 23:21:41 UTC
From: Tom Horton
Topic: 19580 Message: 19590

John,
 Were you saying that copper clad steel and stainless steel were worse conductors than copper? About the only thing better than copper is silver. Stainless is a very very poor conductor for an antenna.
 Tom K5IID

--- On Fri, 9/2/11, John Gatwood <w9wls.radio@...> wrote:

From: John Gatwood <w9wls.radio@...>
Subject: [ham-antennas] RE: OCFD QUESTION
To: ham-antennas@yahoogroups.com
Date: Friday, September 2, 2011, 11:12 AM

Given that ALL dimensions AND feeds are the same (to include wire gauge of the dipole segments) the antennas in question SHOULD preform in a near identical manner.

Having said that (and most likely stuck my foot in my mouth) , the next thing to look at is , of the group in question are they ALL true OCFD's ? , COAX feed to the balun / center insulator ? , or is there ladder line / window line involved and what length (this would bring the antenna closer to the original "WINDOM" configuration).
Wire diameter / type of the Dipole is also a big factor, the conductivity factor of copper is less than copper clad steel or stainless steel.

There is quite a bit of information on the net about OCFD's and "WINDOM's" , you have to decide which is right for you .

73, John

--
*SOCIALISM in ANY form IS a SOCIAL DISEASE !

"Politicians AND Diapers Should Be Changed Frequently, And For The Same Reason"

SAY WHAT YOU THINK !
THOSE WHO MATTER, WON'T MIND
THOSE THAT MIND, DON"T MATTER !
*
DE: W9WLS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19591. Re: [ham-antennas] RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 00:26:25 UTC
From: DVC3565@aol.com
Topic: 19580 Message: 19591

John & Tom
Just my 27 cents worth! 6 years ago I used a stainless steel slinky in the attic of
a Florida Condo where I was "living" for 25 months. Result: Worked 75 countries on an
Icom 735 barefoot. Granted about 80% were CW contacts..but some voice too.
My adage, you don't know what works till you try it.
73,
Dave-KJ4PF

In a message dated 9/2/2011 7:21:45 P.M. Eastern Daylight Time,
k5iid@... writes:

John,
Were you saying that copper clad steel and stainless steel were worse conductors than copper? About the only thing better than copper is silver. Stainless is a very very poor conductor for an antenna.
Tom K5IID

[Non-text portions of this message have been removed]

19592. Re: [ham-antennas] RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 00:32:42 UTC
From: John Gatwood
Topic: 19580 Message: 19592

Hello Tom:
Actually I think this wound up in the wrong place, I was trying to answer another thread.
But to answer your question, yes the conductivity of CC steel is slightly less than copper , I have worked in power production for the last 25 years and have had occasion to play (test) with many types and compositions of conductors .
I have made dipoles using stainless and they do work to fair effect, you just have to allow for the conductivity of the wire.

73, John

On Fri, Sep 2, 2011 at 7:21 PM, Tom Horton <k5iid@sbcglobal.net> wrote:

> **
>
>
> John,
> Were you saying that copper clad steel and stainless steel were worse
> conductors than copper? About the only thing better than copper is silver.
> Stainless is a very very poor conductor for an antenna.
> Tom K5IID
>
> --- On Fri, 9/2/11, John Gatwood <w9wls.radio@...> wrote:
>
> From: John Gatwood <w9wls.radio@...>
> Subject: [ham-antennas] RE: OCFD QUESTION
> To: ham-antennas@yahoogroups.com
> Date: Friday, September 2, 2011, 11:12 AM
>
>
>
>
>
> Given that ALL dimensions AND feeds are the same (to include wire gauge of
> the dipole segments) the antennas in question SHOULD preform in a near
> identical manner.
>
> Having said that (and most likely stuck my foot in my mouth) , the next
> thing to look at is , of the group in question are they ALL true OCFD's ? ,
> COAX feed to the balun / center insulator ? , or is there ladder line /
> window line involved and what length (this would bring the antenna closer
> to
> the original "WINDOM" configuration).
> Wire diameter / type of the Dipole is also a big factor, the conductivity
> factor of copper is less than copper clad steel or stainless steel.
>

> There is quite a bit of information on the net about OCFD's and "WINDOM's"
> ,
> you have to decide which is right for you .
>
> 73, John
>
> --
> *SOCIALISM in ANY form IS a SOCIAL DISEASE !
>
> "Politicians AND Diapers Should Be Changed Frequently, And For The Same
> Reason"
>
> SAY WHAT YOU THINK !
> THOSE WHO MATTER, WON'T MIND
> THOSE THAT MIND, DON"T MATTER !
> *
> *DE: W9WLS*
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

--
*SOCIALISM in ANY form IS a SOCIAL DISEASE !

"Politicians AND Diapers Should Be Changed Frequently, And For The Same
Reason"

SAY WHAT YOU THINK !
THOSE WHO MATTER, WON'T MIND
THOSE THAT MIND, DON"T MATTER !
*
DE: W9WLS

[Non-text portions of this message have been removed]

19593. RE: [ham-antennas] RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 01:07:37 UTC
From: Richard Schmuke
Topic: 19580 Message: 19593

I am curious. I have always heard that RF traveled on the skin. If that is so what would the difference be with copperweld VS copper. The copper is comparatively thick on copperweld. At 60 cycle or DC I could see a difference but not at 14Mhz.
Rich , Kd0zz

Subject: Re: [ham-antennas] RE: OCFD QUESTION

Hello Tom:
Actually I think this wound up in the wrong place, I was trying to answer another thread.
But to answer your question, yes the conductivity of CC steel is slightly less than copper , I have worked in power production for the last 25 years and have had occasion to play (test) with many types and compositions of conductors .
I have made dipoles using stainless and they do work to fair effect, you just have to allow for the conductivity of the wire.

73, John

On Fri, Sep 2, 2011 at 7:21 PM, Tom Horton <k5iid@...> wrote:

> **
>
>
> John,
> Were you saying that copper clad steel and stainless steel were worse
> conductors than copper? About the only thing better than copper is silver.
> Stainless is a very very poor conductor for an antenna.
> Tom K5IID
>
> --- On Fri, 9/2/11, John Gatwood <w9wls.radio@...> wrote:
>
> From: John Gatwood <w9wls.radio@...>
> Subject: [ham-antennas] RE: OCFD QUESTION
> To: ham-antennas@yahoogroups.com
> Date: Friday, September 2, 2011, 11:12 AM
>
>
>
>
>
> Given that ALL dimensions AND feeds are the same (to include wire gauge
of
> the dipole segments) the antennas in question SHOULD preform in a near
> identical manner.
>

> Having said that (and most likely stuck my foot in my mouth) , the next
> thing to look at is , of the group in question are they ALL true OCFD's ?
,
> COAX feed to the balun / center insulator ? , or is there ladder line /
> window line involved and what length (this would bring the antenna closer
> to
> the original "WINDOM" configuration).
> Wire diameter / type of the Dipole is also a big factor, the conductivity
> factor of copper is less than copper clad steel or stainless steel.
>
> There is quite a bit of information on the net about OCFD's and "WINDOM's"
> ,
> you have to decide which is right for you .
>
> 73, John
>
> --
> *SOCIALISM in ANY form IS a SOCIAL DISEASE !
>
> "Politicians AND Diapers Should Be Changed Frequently, And For The Same
> Reason"
>
> SAY WHAT YOU THINK !
> THOSE WHO MATTER, WON'T MIND
> THOSE THAT MIND, DON"T MATTER !
> *
> *DE: W9WLS*
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

--
*SOCIALISM in ANY form IS a SOCIAL DISEASE !

"Politicians AND Diapers Should Be Changed Frequently, And For The Same
Reason"

SAY WHAT YOU THINK !
THOSE WHO MATTER, WON'T MIND
THOSE THAT MIND, DON"T MATTER !
*
DE: W9WLS

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19594. Re: [ham-antennas] RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 01:20:44 UTC
From: John Gatwood
Topic: 19580 Message: 19594

Rich:
RF does travel on the skin , as does A.C. and D.C. .
The physical size of the conductor (and / or the composition) is to satisfy strength and heat dissipation.

On Fri, Sep 2, 2011 at 9:07 PM, Richard Schmuke <rdj@wildblue.net> wrote:

> **
>
>
> I am curious. I have always heard that RF traveled on the skin. If that is
> so what would the difference be with copperweld VS copper. The copper is
> comparatively thick on copperweld. At 60 cycle or DC I could see a
> difference but not at 14Mhz.
> Rich , Kd0zz
>
> Subject: Re: [ham-antennas] RE: OCFD QUESTION
>
> Hello Tom:
> Actually I think this wound up in the wrong place, I was trying to answer
> another thread.
> But to answer your question, yes the conductivity of CC steel is slightly
> less than copper , I have worked in power production for the last 25 years
> and have had occasion to play (test) with many types and compositions of
> conductors .
> I have made dipoles using stainless and they do work to fair effect, you
> just have to allow for the conductivity of the wire.
>
> 73, John
>
> On Fri, Sep 2, 2011 at 7:21 PM, Tom Horton <k5iid@sbcglobal.net> wrote:
>
> > **
> > >
> > >
> > John,
> > Were you saying that copper clad steel and stainless steel were worse
> > conductors than copper? About the only thing better than copper is
> silver.
> > Stainless is a very very poor conductor for an antenna.
> > Tom K5IID
> > >
> > --- On Fri, 9/2/11, John Gatwood <w9wls.radio@...> wrote:
> > >
> > From: John Gatwood <w9wls.radio@...>

> > Subject: [ham-antennas] RE: OCFD QUESTION
> > To: ham-antennas@yahoogroups.com
> > Date: Friday, September 2, 2011, 11:12 AM
> >
> >
> >
> >
> > Given that ALL dimensions AND feeds are the same (to include wire gauge
> of
> > the dipole segments) the antennas in question SHOULD preform in a near
> > identical manner.
> >
> > Having said that (and most likely stuck my foot in my mouth) , the next
> > thing to look at is , of the group in question are they ALL true OCFD's ?
> ,
> > COAX feed to the balun / center insulator ? , or is there ladder line /
> > window line involved and what length (this would bring the antenna closer
> > to
> > the original "WINDOM" configuration).
> > Wire diameter / type of the Dipole is also a big factor, the conductivity
> > factor of copper is less than copper clad steel or stainless steel.
> >
> > There is quite a bit of information on the net about OCFD's and
> "WINDOM's"
> > ,
> > you have to decide which is right for you .
> >
> > 73, John
> >
> > --
> > *SOCIALISM in ANY form IS a SOCIAL DISEASE !
> >
> > "Politicians AND Diapers Should Be Changed Frequently, And For The Same
> > Reason"
> >
> > SAY WHAT YOU THINK !
> > THOSE WHO MATTER, WON'T MIND
> > THOSE THAT MIND, DON"T MATTER !
> > *
> > *DE: W9WLS*
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> --
> *SOCIALISM in ANY form IS a SOCIAL DISEASE !

>
> "Politicians AND Diapers Should Be Changed Frequently, And For The Same
> Reason"
>
> SAY WHAT YOU THINK !
> THOSE WHO MATTER, WON'T MIND
> THOSE THAT MIND, DON"T MATTER !
> *
> *DE: W9WLS*
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

--
*SOCIALISM in ANY form IS a SOCIAL DISEASE !

"Politicians AND Diapers Should Be Changed Frequently, And For The Same
Reason"

SAY WHAT YOU THINK !
THOSE WHO MATTER, WON'T MIND
THOSE THAT MIND, DON"T MATTER !
*
DE: W9WLS

[Non-text portions of this message have been removed]

19595. AW: [ham-antennas] RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 08:13:29 UTC
From: Siegfried Jackstien
Topic: 19580 Message: 19595

Rf does travel on the skin ... right ... but ac and dc???
That is new to me ...
I ever thought the wire dimension is calculated to give the ampere per square mm (for dc and lower ac) and not for giving the skin surface for xy amperes
I learned electrician and so I will have to give my money back ... all I learned seems to be wrong :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von John Gatwood
> Gesendet: Samstag, 3. September 2011 01:21
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] RE: OCFD QUESTION
>
> Rich:
> RF does travel on the skin , as does A.C. and D.C. .
> The physical size of the conductor (and / or the composition) is to
> satisfy
> strength and heat dissipation.
>
>
> On Fri, Sep 2, 2011 at 9:07 PM, Richard Schmuke <rdj@...> wrote:
>
> > **
> > >
> > >
> > I am curious. I have always heard that RF traveled on the skin. If that
> is
> > so what would the difference be with copperweld VS copper. The copper is
> > comparatively thick on copperweld. At 60 cycle or DC I could see a
> > difference but not at 14Mhz.
> > Rich , Kd0zz
> > >
> > Subject: Re: [ham-antennas] RE: OCFD QUESTION
> > >
> > Hello Tom:
> > Actually I think this wound up in the wrong place, I was trying to
> answer
> > another thread.
> > But to answer your question, yes the conductivity of CC steel is
> slightly
> > less than copper , I have worked in power production for the last 25

> years
> > and have had occasion to play (test) with many types and compositions of
> > conductors .
> > I have made dipoles using stainless and they do work to fair effect, you
> > just have to allow for the conductivity of the wire.
> >
> > 73, John
> >
> > On Fri, Sep 2, 2011 at 7:21 PM, Tom Horton <k5iid@...> wrote:
> >
> > > **
> > >
> > >
> > > John,
> > > Were you saying that copper clad steel and stainless steel were worse
> > > conductors than copper? About the only thing better than copper is
> > silver.
> > > Stainless is a very very poor conductor for an antenna.
> > > Tom K5IID
> > >
> > > --- On Fri, 9/2/11, John Gatwood <w9wls.radio@gmail.com> wrote:
> > >
> > > From: John Gatwood <w9wls.radio@...>
> > > Subject: [ham-antennas] RE: OCFD QUESTION
> > > To: ham-antennas@yahoogroups.com
> > > Date: Friday, September 2, 2011, 11:12 AM
> > >
> > >
> > >
> > >
> > > Given that ALL dimensions AND feeds are the same (to include wire
> gauge
> > > of
> > > the dipole segments) the antennas in question SHOULD preform in a near
> > > identical manner.
> > >
> > > Having said that (and most likely stuck my foot in my mouth) , the
> next
> > > thing to look at is , of the group in question are they ALL true
> OCFD's ?
> > ,
> > > COAX feed to the balun / center insulator ? , or is there ladder line
> /
> > > window line involved and what length (this would bring the antenna
> closer
> > > to
> > > the original "WINDOM" configuration).
> > > Wire diameter / type of the Dipole is also a big factor, the
> conductivity
> > > factor of copper is less than copper clad steel or stainless steel.

> > >
> > > There is quite a bit of information on the net about OCFD's and
> > "WINDOM's"
> > > ,
> > > you have to decide which is right for you .
> > >
> > > 73, John
> > >
> > > --
> > > *SOCIALISM in ANY form IS a SOCIAL DISEASE !
> > >
> > > "Politicians AND Diapers Should Be Changed Frequently, And For The
> Same
> > > Reason"
> > >
> > > SAY WHAT YOU THINK !
> > > THOSE WHO MATTER, WON'T MIND
> > > THOSE THAT MIND, DON"T MATTER !
> > > *
> > > *DE: W9WLS*
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >
> >
> > --
> > *SOCIALISM in ANY form IS a SOCIAL DISEASE !
> >
> > "Politicians AND Diapers Should Be Changed Frequently, And For The Same
> > Reason"
> >
> > SAY WHAT YOU THINK !
> > THOSE WHO MATTER, WON'T MIND
> > THOSE THAT MIND, DON"T MATTER !
> > *
> > *DE: W9WLS*
> >
> > [Non-text portions of this message have been removed]
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause
> > for suspension. Moderators WILL have final say in these matters.

> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>
>
>
> --
> *SOCIALISM in ANY form IS a SOCIAL DISEASE !
>
> "Politicians AND Diapers Should Be Changed Frequently, And For The Same
> Reason"
>
> SAY WHAT YOU THINK !
> THOSE WHO MATTER, WON'T MIND
> THOSE THAT MIND, DON"T MATTER !
> *
> *DE: W9WLS*
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19596. Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 11:11:50 UTC
From: w9wls
Topic: 19580 Message: 19596

Some years ago the company I worked for bought some "SEMANS/Westinghouse" medium voltage (480 Volt +) switch-gear, the interesting thing about this gear was that instead of the usual thick heavy copper-alloy buss bars we found that the manufacture had used plated tubing and the "bucket" contacts appeared to be not much more than pieces of #8 wire which straddled the tubing when the bucket was in place.
This gear was used in several motor control centers (both A.C. & D.C.) with no problems for many years, we on the field engineering side were to say the least Leary of the stuff especially when starting several 100 amp or better motors, but after doing thermal imagery studies on it and comparing to other "SOLID BUSS" gear with similar load's we found that there was actually less heat build up with the "TUBE & PIN" gear.
The only real fault we could find with the gear was that the "BUCKETS" were constructed with rather thin sheet metal stock which allowed them to twist and bind if removed and re-seated which made us have to remove the back covers to verify that the contacts were properly seated (a practice not allowed on a live buss today).
The above certainly re-arranged my thinking about current flow and handling..... THINK ABOUT IT !

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:
>
> Rf does travel on the skin ... right ... but ac and dc???
> That is new to me ...
> I ever thought the wire dimension is calculated to give the ampere per
> square mm (for dc and lower ac) and not for giving the skin surface for xy
> amperes
> I learned electrician and so I will have to give my money back ... all I
> learned seems to be wrong :-)
> Dg9bfc
> Sigi
>
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von John Gatwood
> > Gesendet: Samstag, 3. September 2011 01:21
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] RE: OCFD QUESTION
> >
> > Rich:
> > RF does travel on the skin , as does A.C. and D.C. .
> > The physical size of the conductor (and / or the composition) is to
> > satisfy
> > strength and heat dissipation.
> >
> >

> > On Fri, Sep 2, 2011 at 9:07 PM, Richard Schmuke <rdj@...> wrote:
> >
> > > **
> > >
> > >
> > > I am curious. I have always heard that RF traveled on the skin. If that
> > is
> > > so what would the difference be with copperweld VS copper. The copper is
> > > comparatively thick on copperweld. At 60 cycle or DC I could see a
> > > difference but not at 14Mhz.
> > > Rich , Kd0zz
> > >
> > > Subject: Re: [ham-antennas] RE: OCFD QUESTION
> > >
> > > Hello Tom:
> > > Actually I think this wound up in the wrong place, I was trying to
> > answer
> > > another thread.
> > > But to answer your question, yes the conductivity of CC steel is
> > slightly
> > > less than copper , I have worked in power production for the last 25
> > years
> > > and have had occasion to play (test) with many types and compositions of
> > > conductors .
> > > I have made dipoles using stainless and they do work to fair effect, you
> > > just have to allow for the conductivity of the wire.
> > >
> > > 73, John
> > >
> > > On Fri, Sep 2, 2011 at 7:21 PM, Tom Horton <k5iid@...> wrote:
> > >
> > > > **
> > > >
> > > >
> > > > John,
> > > > Were you saying that copper clad steel and stainless steel were worse
> > > > conductors than copper? About the only thing better than copper is
> > > silver.
> > > > Stainless is a very very poor conductor for an antenna.
> > > > Tom K5IID
> > > >
> > > > --- On Fri, 9/2/11, John Gatwood <w9wls.radio@...> wrote:
> > > >
> > > > From: John Gatwood <w9wls.radio@...>
> > > > Subject: [ham-antennas] RE: OCFD QUESTION
> > > > To: ham-antennas@yahoogroups.com
> > > > Date: Friday, September 2, 2011, 11:12 AM
> > > >
> > > >
> > > >
> > > >
```
```

> > > >
> > > > Given that ALL dimensions AND feeds are the same (to include wire
> > gauge
> > > of
> > > > the dipole segments) the antennas in question SHOULD preform in a near
> > > > identical manner.
> > > >
> > > > Having said that (and most likely stuck my foot in my mouth) , the
> > next
> > > > thing to look at is , of the group in question are they ALL true
> > OCFD's ?
> > > ,
> > > > COAX feed to the balun / center insulator ? , or is there ladder line
> > /
> > > > window line involved and what length (this would bring the antenna
> > closer
> > > > to
> > > > the original "WINDOM" configuration).
> > > > Wire diameter / type of the Dipole is also a big factor, the
> > conductivity
> > > > factor of copper is less than copper clad steel or stainless steel.
> > > >
> > > > There is quite a bit of information on the net about OCFD's and
> > > "WINDOM's"
> > > > ,
> > > > you have to decide which is right for you .
> > > >
> > > > 73, John
> > > >
> > > > --
> > > > *SOCIALISM in ANY form IS a SOCIAL DISEASE !
> > > >
> > > > "Politicians AND Diapers Should Be Changed Frequently, And For The
> > Same
> > > > Reason"
> > > >
> > > > SAY WHAT YOU THINK !
> > > > THOSE WHO MATTER, WON'T MIND
> > > > THOSE THAT MIND, DON"T MATTER !
> > > > *
> > > > *DE: W9WLS*
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
> > > >
> > >
> > > --

> > > *SOCIALISM in ANY form IS a SOCIAL DISEASE !
> > >
> > > "Politicians AND Diapers Should Be Changed Frequently, And For The Same
> > > Reason"
> > >
> > > SAY WHAT YOU THINK !
> > > THOSE WHO MATTER, WON'T MIND
> > > THOSE THAT MIND, DON"T MATTER !
> > > *
> > > *DE: W9WLS*
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> > go
> > > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be
> > > cause
> > > for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > List owner: ham-antennas-owner@yahoogroups.com
> > > Yahoo! Groups Links
> > >
> > >
> > >
> >
> >
> >
> > --
> > *SOCIALISM in ANY form IS a SOCIAL DISEASE !
> >
> > "Politicians AND Diapers Should Be Changed Frequently, And For The Same
> > Reason"
> >
> > SAY WHAT YOU THINK !
> > THOSE WHO MATTER, WON'T MIND
> > THOSE THAT MIND, DON"T MATTER !
> > *
> > *DE: W9WLS*
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------

> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>

19597. RE: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 11:31:32 UTC
From: jo barden
Topic: 19580 Message: 19597

I must admit when I was on the Railway 25KV AC busbars were tube but 1500V DC 1KA were solid, if I remember correct from my apprenticeship HV and RF mainly conduct via skin effect but where the actual transition is I do not know. The 25KV busbars were only carrying about 200A so not high current but it was about 13/4" - 2" diameter and flattened at connection points for bolting to components (Pantograph, Circuit Breaker HT cable) but the bolts were normal steel. On the 1500V stuff the connections were with copper threaded and some copper nuts but not always.

I know what you mean though about whats not allowed now, we used to check rectifier trays (1500V) using tong tester on rectifier connections all open and the apprentice applying power against the brakes or looking for current imbalance by shutting off power and seeing which contactor drew the biggest arc.

Perhaps those days are best forgotten about!

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: w9wls.radio@...
Date: Sat, 3 Sep 2011 11:11:50 +0000
Subject: [ham-antennas] Re: OCFD QUESTION

Some years ago the company I worked for bought some "SEMANS/Westinghouse" medium voltage (480 Volt +) switch-gear, the interesting thing about this gear was that instead of the usual thick heavy copper-alloy buss bars we found that the manufacture had used plated tubing and the "bucket" contacts appeared to be not much more than pieces of #8 wire which straddled the tubing when the bucket was in place.

This gear was used in several motor control centers (both A.C. & D.C.) with no problems for many years, we on the field engineering side were to say the least Leary of the stuff especially when starting several 100 amp or better motors, but after doing thermal imagery studies on it and comparing to other "SOLID BUSS" gear with similar load's we found that there was actually less heat build up with the "TUBE & PIN" gear.

The only real fault we could find with the gear was that the "BUCKETS" were constructed with rather thin sheet metal stock which allowed them to twist and bind if removed and re-seated which made us have to remove the back covers to verify that the contacts were properly seated (a practice not allowed on a live buss today).

The above certainly re-arranged my thinking about current flow and handling..... THINK ABOUT IT !

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:

>

> Rf does travel on the skin ... right ... but ac and dc???

> That is new to me ...

> I ever thought the wire dimension is calculated to give the ampere per

> square mm (for dc and lower ac) and not for giving the skin surface for xy

> amperes

> I learned electrician and so I will have to give my money back ... all I

> learned seems to be wrong :-)

> Dg9bfc

> Sigi

>

>

> > -----Urspr?ngliche Nachricht-----

> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im

> > Auftrag von John Gatwood

> > Gesendet: Samstag, 3. September 2011 01:21

> > An: ham-antennas@yahoogroups.com

> > Betreff: Re: [ham-antennas] RE: OCFD QUESTION

> >

> > Rich:

> > RF does travel on the skin , as does A.C. and D.C. .

> > The physical size of the conductor (and / or the composition) is to

> > satisfy

> > strength and heat dissipation.

> >

> >

> > On Fri, Sep 2, 2011 at 9:07 PM, Richard Schmuke <rdj@...> wrote:

> >

> > > **

> > >

> > >

> > > I am curious. I have always heard that RF traveled on the skin. If that

> > is

> > > so what would the difference be with copperweld VS copper. The copper is

> > > comparatively thick on copperweld. At 60 cycle or DC I could see a

> > > difference but not at 14Mhz.

> > > Rich , Kd0zz

> > >

> > > Subject: Re: [ham-antennas] RE: OCFD QUESTION

> > >

> > > Hello Tom:

> > > Actually I think this wound up in the wrong place, I was trying to

> > answer

> > > another thread.

> > > But to answer your question, yes the conductivity of CC steel is

> > slightly

> > > less than copper , I have worked in power production for the last 25

> > years

> > > and have had occasion to play (test) with many types and compositions of

> > > conductors .

> > > I have made dipoles using stainless and they do work to fair effect, you

> > > just have to allow for the conductivity of the wire.

> > >

> > > 73, John

> > >

> > > On Fri, Sep 2, 2011 at 7:21 PM, Tom Horton <k5iid@...> wrote:

> > >

> > > > **

> > > >

> > > >

> > > > John,

> > > > Were you saying that copper clad steel and stainless steel were worse

> > > > conductors than copper? About the only thing better than copper is

> > > silver.

> > > > Stainless is a very very poor conductor for an antenna.

> > > > Tom K5IID

> > > >

> > > > --- On Fri, 9/2/11, John Gatwood <w9wls.radio@...> wrote:

> > > >

> > > > From: John Gatwood <w9wls.radio@...>

> > > > Subject: [ham-antennas] RE: OCFD QUESTION

> > > > To: ham-antennas@yahoogroups.com

> > > > Date: Friday, September 2, 2011, 11:12 AM

> > > >

> > > >

> > > >

> > > >

> > > > Given that ALL dimensions AND feeds are the same (to include wire

> > gauge

> > > of

> > > > the dipole segments) the antennas in question SHOULD preform in a near

> > > > identical manner.

> > > >

> > > > Having said that (and most likely stuck my foot in my mouth) , the

> > next

> > > > thing to look at is , of the group in question are they ALL true

> > OCFD's ?

> > > ,

> > > > COAX feed to the balun / center insulator ? , or is there ladder line

> > /

> > > > window line involved and what length (this would bring the antenna

> > closer

> > > > to

> > > > the original "WINDOM" configuration).

> > > > Wire diameter / type of the Dipole is also a big factor, the

> > conductivity

> > > > factor of copper is less than copper clad steel or stainless steel.

> > > >

> > > > There is quite a bit of information on the net about OCFD's and

> > > "WINDOM's"

> > > > ,

> > > > you have to decide which is right for you .

> > > >

> > > > 73, John

> > > >

> > > > --

> > > > *SOCIALISM in ANY form IS a SOCIAL DISEASE !

> > > >

> > > > "Politicians AND Diapers Should Be Changed Frequently, And For The

> > Same

> > > > Reason"

> > > >

> > > > SAY WHAT YOU THINK !

> > > > THOSE WHO MATTER, WON'T MIND

> > > > THOSE THAT MIND, DON"T MATTER !

> > > > *

> > > > *DE: W9WLS*

> > > >

> > > > [Non-text portions of this message have been removed]

> > > >

> > > > [Non-text portions of this message have been removed]

> > > >

> > > >

> > > >

> > >

> > > --

> > > *SOCIALISM in ANY form IS a SOCIAL DISEASE !

> > >

> > > "Politicians AND Diapers Should Be Changed Frequently, And For The Same

> > > Reason"

> > >

> > > SAY WHAT YOU THINK !

> > > THOSE WHO MATTER, WON'T MIND

> > > THOSE THAT MIND, DON"T MATTER !

> > > *

> > > *DE: W9WLS*

> > >

> > > [Non-text portions of this message have been removed]

> > >

> > > ------------------------------------

> > >

> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies

> > go

> > > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

> > > Any statements in ANY post that may be construed as inflamatory MAY be

> > > cause

> > > for suspension. Moderators WILL have final say in these matters.

> > > Post message: ham-antennas@yahoogroups.com

> > > Subscribe: ham-antennas-subscribe@yahoogroups.com

> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> > > List owner: ham-antennas-owner@yahoogroups.com

> > > Yahoo! Groups Links

> > >

> > >

> > >

> >

> >

> >

> > --

> > *SOCIALISM in ANY form IS a SOCIAL DISEASE !

> >

> > "Politicians AND Diapers Should Be Changed Frequently, And For The Same

> > Reason"

> >

> > SAY WHAT YOU THINK !

> > THOSE WHO MATTER, WON'T MIND

> > THOSE THAT MIND, DON"T MATTER !

> > *

> > *DE: W9WLS*

> >

> >

> > [Non-text portions of this message have been removed]

> >

> >

> >

> > ------------------------------------

> >

> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

> > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

> > Any statements in ANY post that may be construed as inflamatory MAY be

> > cause for suspension. Moderators WILL have final say in these matters.

> > Post message: ham-antennas@yahoogroups.com

> > Subscribe: ham-antennas-subscribe@yahoogroups.com

> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> > List owner: ham-antennas-owner@yahoogroups.com

> > Yahoo! Groups Links

> >

> >

> >

>

[Non-text portions of this message have been removed]

19598. RE: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 11:38:58 UTC
From: Adrian
Topic: 19580 Message: 19598

Nothing to do with skin effect which occurs at higher frequencies due to inductive reactance peaking at the conductor centre, in this case negligible at DC or 50-60hz AC, and more to do with the more effective heat dissipation area of the tubular conductor, hence a lower operating temperature.

Adrian vk4tux (A class Electrician)

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of w9wls
Sent: Saturday, 3 September 2011 9:12 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: OCFD QUESTION

Some years ago the company I worked for bought some "SEMANS/Westinghouse" medium voltage (480 Volt +) switch-gear, the interesting thing about this gear was that instead of the usual thick heavy copper-alloy buss bars we found that the manufacture had used plated tubing and the "bucket" contacts appeared to be not much more than pieces of #8 wire which straddled the tubing when the bucket was in place.
This gear was used in several motor control centers (both A.C. & D.C.) with no problems for many years, we on the field engineering side were to say the least Leary of the stuff especially when starting several 100 amp or better motors, but after doing thermal imagery studies on it and comparing to other "SOLID BUSS" gear with similar load's we found that there was actually less heat build up with the "TUBE & PIN" gear.
The only real fault we could find with the gear was that the "BUCKETS" were constructed with rather thin sheet metal stock which allowed them to twist and bind if removed and re-seated which made us have to remove the back covers to verify that the contacts were properly seated (a practice not allowed on a live buss today).
The above certainly re-arranged my thinking about current flow and handling..... THINK ABOUT IT !

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:
>
> Rf does travel on the skin ... right ... but ac and dc???
> That is new to me ...
> I ever thought the wire dimension is calculated to give the ampere per
> square mm (for dc and lower ac) and not for giving the skin surface for xy
> amperes
> I learned electrician and so I will have to give my money back ... all I
> learned seems to be wrong :-)
> Dg9bfc
> Sigi
>

>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> > Auftrag von John Gatwood
> > Gesendet: Samstag, 3. September 2011 01:21
> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> > Betreff: Re: [ham-antennas] RE: OCFD QUESTION
> >
> > Rich:
> > RF does travel on the skin , as does A.C. and D.C. .
> > The physical size of the conductor (and / or the composition) is to
> > satisfy
> > strength and heat dissipation.
> >
> >
> > On Fri, Sep 2, 2011 at 9:07 PM, Richard Schmuke <rdj@...> wrote:
> >
> > > **
> > >
> > >
> > > I am curious. I have always heard that RF traveled on the skin. If
that
> > is
> > > so what would the difference be with copperweld VS copper. The copper
is
> > > comparatively thick on copperweld. At 60 cycle or DC I could see a
> > > difference but not at 14Mhz.
> > > Rich , Kd0zz
> > >
> > > Subject: Re: [ham-antennas] RE: OCFD QUESTION
> > >
> > > Hello Tom:
> > > Actually I think this wound up in the wrong place, I was trying to
> > answer
> > > another thread.
> > > But to answer your question, yes the conductivity of CC steel is
> > slightly
> > > less than copper , I have worked in power production for the last 25
> > years
> > > and have had occasion to play (test) with many types and compositions
of
> > > conductors .
> > > I have made dipoles using stainless and they do work to fair effect,
you
> > > just have to allow for the conductivity of the wire.
> > >

> > > 73, John
> > >
> > > On Fri, Sep 2, 2011 at 7:21 PM, Tom Horton <k5iid@...> wrote:
> > >
> > > > **
> > > >
> > > >
> > > > John,
> > > > Were you saying that copper clad steel and stainless steel were
worse
> > > > conductors than copper? About the only thing better than copper is
> > > silver.
> > > > Stainless is a very very poor conductor for an antenna.
> > > > Tom K5IID
> > > >
> > > > --- On Fri, 9/2/11, John Gatwood <w9wls.radio@...> wrote:
> > > >
> > > > From: John Gatwood <w9wls.radio@...>
> > > > Subject: [ham-antennas] RE: OCFD QUESTION
> > > > To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > > > Date: Friday, September 2, 2011, 11:12 AM
> > > >
> > > >
> > > >
> > > >
> > > > Given that ALL dimensions AND feeds are the same (to include wire
> > gauge
> > > of
> > > > the dipole segments) the antennas in question SHOULD preform in a
near
> > > > identical manner.
> > > >
> > > > Having said that (and most likely stuck my foot in my mouth) , the
> > next
> > > > thing to look at is , of the group in question are they ALL true
> > OCFD's ?
> > > ,
> > > > COAX feed to the balun / center insulator ? , or is there ladder
line
> > /
> > > > window line involved and what length (this would bring the antenna
> > closer
> > > to
> > > > the original "WINDOM" configuration).
> > > > Wire diameter / type of the Dipole is also a big factor, the
> > conductivity
> > > > factor of copper is less than copper clad steel or stainless steel.
> > > >
> > > > There is quite a bit of information on the net about OCFD's and

> > > "WINDOM's"
> > > > ,
> > > > you have to decide which is right for you .
> > > >
> > > > 73, John
> > > >
> > > > --
> > > > *SOCIALISM in ANY form IS a SOCIAL DISEASE !
> > > >
> > > > "Politicians AND Diapers Should Be Changed Frequently, And For The
> > Same
> > > > Reason"
> > > >
> > > > SAY WHAT YOU THINK !
> > > > THOSE WHO MATTER, WON'T MIND
> > > > THOSE THAT MIND, DON"T MATTER !
> > > > *
> > > > *DE: W9WLS*
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
> > >
> > > --
> > > *SOCIALISM in ANY form IS a SOCIAL DISEASE !
> > >
> > > "Politicians AND Diapers Should Be Changed Frequently, And For The
Same
> > > Reason"
> > >
> > > SAY WHAT YOU THINK !
> > > THOSE WHO MATTER, WON'T MIND
> > > THOSE THAT MIND, DON"T MATTER !
> > > *
> > > *DE: W9WLS*
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions.
Replies
> > go
> > > to ALL 2586 members (as of 6/28/11). and attachments are NOT
permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be
> > > cause

> > > for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> > > Yahoo! Groups Links
> > >
> > >
> > >
> >
> >
> >
> > --
> > *SOCIALISM in ANY form IS a SOCIAL DISEASE !
> >
> > "Politicians AND Diapers Should Be Changed Frequently, And For The Same
> > Reason"
> >
> > SAY WHAT YOU THINK !
> > THOSE WHO MATTER, WON'T MIND
> > THOSE THAT MIND, DON"T MATTER !
> > *
> > *DE: W9WLS*
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
go
> > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >

> >
> >
>

[Non-text portions of this message have been removed]

19599. Re: [ham-antennas] RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 12:00:30 UTC
From: Ron Youvan
Topic: 19580 Message: 19599

Richard KD0ZZ Schmuke wrote:

> I am curious. I have always heard that RF traveled on the skin. If that is
> so what would the difference be with copperweld VS copper. The copper is
> comparatively thick on copperweld. At 60 cycle or DC I could see a
> difference but not at 14Mhz.

Absolutely correct. The higher the frequency the less current travels in the center.
The necessity to use copper for antennas has been over emphasized in many of these lists.
Huge commercial antennas such as "Sterba curtains" have been constructed with non-copper conductors
such as zinc coated steel and phosphor bronze frequently 1/2 to 1" in diameter and feed with 50 kW
and up. (shortwave stations)
Most commercial 2 meter (and up) mobile antennas (with possibly the only exception being the
Larsen cool-rod - copper then nickle plated SS) are made from stainless steel and although replacing
them with a copper wire might get an additional block of distance, driving at 70 MPH would bend it
back parallel with the roof of the car.
If it were so important to use "only pure copper" Motorola, all others and the military would use
copper coated phosphor bronze (or whatever) but they don't. Remember 80% of the current is carried
in the first 1/3 of an antenna, it is not an end to end current like an ac or dc circuit.
The conductivity of your antenna is not as important as being resonant on your operating frequency.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19600. Re: AW: [ham-antennas] RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 12:08:06 UTC
From: Ron Youvan
Topic: 19580 Message: 19600

Siegfried DG9DFC Jackstien wrote:

> Rf does travel on the skin ... right ... but ac and dc???
> That is new to me ...
> I ever thought the wire dimension is calculated to give the ampere per
> square mm (for dc and lower ac) and not for giving the skin surface for xy
> amperes
> I learned electrician and so I will have to give my money back ... all I
> learned seems to be wrong :-)

RF isn't always an electrical circuit.

Remember 80% of the current is carried in the first 1/3 of an antenna, it is not an end to end
current like an ac or dc circuit. The conductivity of your antenna is not as important as being
resonant on your operating frequency.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19601. AW: AW: [ham-antennas] RE: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 14:38:59 UTC
From: Siegfried Jackstien
Topic: 19580 Message: 19601

Tnx Ron ... I KNOW THIS ... my comment were for the other guy who wrote that
also on dc or ac the current travels on the skin ... and that was what I
could not believe :-) ... (I learned electronic technician ...so)
Greetz
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ron Youvan
> Gesendet: Samstag, 3. September 2011 12:08
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] RE: OCFD QUESTION
>
>
>
> Siegfried DG9DFC Jackstien wrote:
>
> > Rf does travel on the skin ... right ... but ac and dc???
> > That is new to me ...
> > I ever thought the wire dimension is calculated to give the ampere per
> > square mm (for dc and lower ac) and not for giving the skin surface for
> xy
> > amperes
> > I learned electrician and so I will have to give my money back ... all I
> > learned seems to be wrong :-)
>
> RF isn't always an electrical circuit.
>
> Remember 80% of the current is carried in the first 1/3 of an antenna, it
> is not an end to end
> current like an ac or dc circuit. The conductivity of your antenna is not
> as important as being
> resonant on your operating frequency.
> --
> Ron KA4INM - Ifen my mother in law were to boil water
> it would taste funny ... Earl Pitts 9-1-11
>
>
>

19602. Inverted Vee 3 element Wire Beam for 20 meters qrp

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 17:38:21 UTC
From: wb4mnk@bellsouth.net
Topic: 19602 Message: 19602

I was wondering if anyone has any information on dimensions in feet and inches for this antenna. The apex will be at 20 feet on two push up poles. The operating frequency of 14.060 mhz will be used. I can find info on a horisonal elements but not on the wire elements angled down at 90 degrees like an inverted vee.

Also any info on spacing of elements would be great.

73,
Art
WB4MNK

19603. Re: [ham-antennas] Inverted Vee 3 element Wire Beam for 20 meters qrp

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 17:47:47 UTC
From: dean
Topic: 19602 Message: 19603

Unless my math is wrong 90 degrees is a flat dipole. 45 degrees would be an inverted V. I put “inverted V dipole” in Google and this is what I found.

http://www.hamuniverse.com/dipivcal.html

All the info you would ever need I think but I can be wrong.

73, WY6L

From: mailto:wb4mnk@...
Sent: Saturday, September 03, 2011 10:38 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Inverted Vee 3 element Wire Beam for 20 meters qrp

I was wondering if anyone has any information on dimensions in feet and inches for this antenna. The apex will be at 20 feet on two push up poles. The operating frequency of 14.060 mhz will be used. I can find info on a horisonal elements but not on the wire elements angled down at 90 degrees like an inverted vee.

Also any info on spacing of elements would be great.

73,
Art
WB4MNK

[Non-text portions of this message have been removed]

19604. Re: [ham-antennas] Bad Link

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-03 21:38:27 UTC
From: Andy
Topic: 19575 Message: 19604

> The link in "Links" My Top Five Backyard Multi-Band Wire HF Antennas
> is not pointing to the proper place.

Looks like that location has gone stale.

The file can probably be found at http://www.cebik.com, which you have
to register for (it's free).

Google found another location for the file:

http://www.users.on.net/~bcr/files/backyard%20wire%20antennaes.pdf

Andy

If this is not the proper place for this message, please let me know.
John, W8CCW
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

19605. Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 01:09:45 UTC
From: k5est
Topic: 19580 Message: 19605

Little help please, I use 3/8 WL inverted L's, so now I'm being told that the max current is the 1st 1/3 of the wire? This is confusing because max radiation is 1/4 WL from the far end, or at least that is what my field strength meter indicates. Can someone take the fog out of my thinking?
73....Walter - K5EST

.....snipped.......
--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Remember 80% of the current is carried
> in the first 1/3 of an antenna, it is not an end to end current like an ac or dc circuit.
> The conductivity of your antenna is not as important as being resonant on your operating frequency.
> --
> Ron KA4INM
>

19606. Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 01:11:19 UTC
From: k5est
Topic: 19580 Message: 19606

Little help please, I use 3/8 WL inverted L's, so now I'm being told that the max current is the 1st 1/3 of the wire? This is confusing because max radiation is 1/4 WL from the far end, or at least that is what my field strength meter indicates. Can someone take the fog out of my thinking?
73....Walter - K5EST

.....snipped.......
--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Remember 80% of the current is carried
> in the first 1/3 of an antenna, it is not an end to end current like an ac or dc circuit.
> The conductivity of your antenna is not as important as being resonant on your operating frequency.
> --
> Ron KA4INM
>

19607. Re: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 02:51:47 UTC
From: Ron Youvan
Topic: 19580 Message: 19607

Walter K5EST wrote:

> Little help please, I use 3/8 WL inverted L's, so now I'm being told that the max current is the 1st
> 1/3 of the wire? This is confusing because max radiation is 1/4 WL from the far end, or at least
> that is what my field strength meter indicates. Can someone take the fog out of my thinking?

The current on a center fed dipole (or any dipole) is illustrated thus:

http://en.wikipedia.org/wiki/File:Lambdaover2-antenna.jpg

Lots of current in the center, little at the ends. Your antenna may vary.
I never heard of a 3/8 wl antenna. I don't know where I've been.

Do you have any other antennas or is that your only antenna?
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19608. I can not seem to unsubscribe.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 17:56:16 UTC
From: mondoray
Topic: 19608 Message: 19608

Unsubscribe.
Sorry for having to post this message but at the bottom of each e-mail from the group I hit "Unsubscribe" but the mail just keeps coming.

19609. RE: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 18:43:23 UTC
From: jo barden
Topic: 19580 Message: 19609

Sorry to disagree but......

Resonance is not the be all and end all, it is just where the inductive and capacitive reluctances cancel out, a 3/8 wave is good in that it offers an approximate 50 ohm load when used with good radial system, now the max current should be where the impedance is lowest which will be in the vertical section of your antenna.

As far as your field strength meter remember that you have 2 fields a magnetic and electric so you may be picking up the electric as opposed to magnetic (high current section) field.

Now saying all this I will be happily corrected by better minds in case I have it all wrong.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: k5est@...
Date: Sun, 4 Sep 2011 01:09:45 +0000
Subject: [ham-antennas] Re: OCFD QUESTION

Little help please, I use 3/8 WL inverted L's, so now I'm being told that the max current is the 1st 1/3 of the wire? This is confusing because max radiation is 1/4 WL from the far end, or at least that is what my field strength meter indicates. Can someone take the fog out of my thinking?

73....Walter - K5EST

.....snipped.......

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:

>

> Remember 80% of the current is carried

> in the first 1/3 of an antenna, it is not an end to end current like an ac or dc circuit.

> The conductivity of your antenna is not as important as being resonant on your operating frequency.

> --

> Ron KA4INM

>

[Non-text portions of this message have been removed]

19610. Re: [ham-antennas] I can not seem to unsubscribe.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 18:57:02 UTC
From: dean
Topic: 19608 Message: 19610

I hate it when that happens. What I do is make a message rule to delete the messages from the server. Works every time.

73, WY6L

From: mondoray
Sent: Sunday, September 04, 2011 10:56 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] I can not seem to unsubscribe.

Unsubscribe.
Sorry for having to post this message but at the bottom of each e-mail from the group I hit "Unsubscribe" but the mail just keeps coming.

[Non-text portions of this message have been removed]

19611. Re: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 18:58:34 UTC
From: Dan Schaaf
Topic: 19580 Message: 19611

<<<a 3/8 wave is good in that it offers an approximate 50 ohm load when used with good radial system >>>

Then why does my 3/8 wave AV-640 vertical antenna require a 50 ohm to 200 ohm balun (matching) ???

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: "jo barden" <jobarden422@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, September 04, 2011 2:43 PM
Subject: RE: [ham-antennas] Re: OCFD QUESTION

>
> Sorry to disagree but......
>
>
> Resonance is not the be all and end all, it is just where the inductive
> and capacitive reluctances cancel out, a 3/8 wave is good in that it
> offers an approximate 50 ohm load when used with good radial system, now
> the max current should be where the impedance is lowest which will be in
> the vertical section of your antenna.
>
> As far as your field strength meter remember that you have 2 fields a
> magnetic and electric so you may be picking up the electric as opposed to
> magnetic (high current section) field.
>
> Now saying all this I will be happily corrected by better minds in case I
> have it all wrong.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: k5est@...
> Date: Sun, 4 Sep 2011 01:09:45 +0000
> Subject: [ham-antennas] Re: OCFD QUESTION
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Little help please, I use 3/8 WL inverted L's, so now I'm being told
> that the max current is the 1st 1/3 of the wire? This is confusing because
> max radiation is 1/4 WL from the far end, or at least that is what my
> field strength meter indicates. Can someone take the fog out of my
> thinking?
>
> 73....Walter - K5EST
>
>
>
> .....snipped.......
>
> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
>>
>
>> Remember 80% of the current is carried
>
>> in the first 1/3 of an antenna, it is not an end to end current like an
>> ac or dc circuit.
>
>> The conductivity of your antenna is not as important as being resonant
>> on your operating frequency.
>
>> --

>
>> Ron KA4INM
>
>>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19612. RE: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 19:11:58 UTC
From: jo barden
Topic: 19580 Message: 19612

half wave dipole impedance is approx 72 ohms, quarter wave with good radial is 36 ohm, therefore 3/8 wave with good ground/radials will be in between the two approx 54 ohms so good match?

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: dan-schaaf@...
Date: Sun, 4 Sep 2011 14:58:34 -0400
Subject: Re: [ham-antennas] Re: OCFD QUESTION

<<<a 3/8 wave is good in that it offers an approximate 50 ohm load when used

with good radial system >>>

Then why does my 3/8 wave AV-640 vertical antenna require a 50 ohm to 200

ohm balun (matching) ???

Best Regards

Dan Schaaf

K3ZXL www.k3zxl.com

NOBSKA www.nobska.net

Cape Cod Instruments www.gnm-inc.com

----- Original Message -----

From: "jo barden" <jobarden422@...>

To: <ham-antennas@yahoogroups.com>

Sent: Sunday, September 04, 2011 2:43 PM

Subject: RE: [ham-antennas] Re: OCFD QUESTION

>

> Sorry to disagree but......

>

>

> Resonance is not the be all and end all, it is just where the inductive

> and capacitive reluctances cancel out, a 3/8 wave is good in that it

> offers an approximate 50 ohm load when used with good radial system, now

> the max current should be where the impedance is lowest which will be in

> the vertical section of your antenna.

>

> As far as your field strength meter remember that you have 2 fields a

> magnetic and electric so you may be picking up the electric as opposed to

> magnetic (high current section) field.

>

> Now saying all this I will be happily corrected by better minds in case I

> have it all wrong.

>

> Jon

>

> G6UWK

>

> To: ham-antennas@yahoogroups.com

> From: k5est@...

> Date: Sun, 4 Sep 2011 01:09:45 +0000

> Subject: [ham-antennas] Re: OCFD QUESTION

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> Little help please, I use 3/8 WL inverted L's, so now I'm being told

> that the max current is the 1st 1/3 of the wire? This is confusing because

> max radiation is 1/4 WL from the far end, or at least that is what my

> field strength meter indicates. Can someone take the fog out of my

> thinking?

>

> 73....Walter - K5EST

>

>

>

> .....snipped.......

>

> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:

>

>>

>

>> Remember 80% of the current is carried

>

>> in the first 1/3 of an antenna, it is not an end to end current like an

>> ac or dc circuit.

>

>> The conductivity of your antenna is not as important as being resonant

>> on your operating frequency.

>

>> --

>

>> Ron KA4INM

>

>>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> ------------------------------------

>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be

> cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links

>

>

>

[Non-text portions of this message have been removed]

19613. Re: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 20:40:46 UTC
From: Ron Youvan
Topic: 19580 Message: 19613

Jo G6UWK Barden wrote:

> Sorry to disagree but......

> Resonance is not the be all and end all, it is just where the inductive and capacitive reluctances cancel out, a 3/8 wave is good in that it offers an approximate 50 ohm load when used with good radial system, now the max current should be where the impedance is lowest which will be in the vertical section of your antenna.

Sorry to disagree but ...

As far as I know, at resonance an antenna has the greatest radiation resistance, the greatest
amount of power is being converted to electrostatic and electromagnetic waves by the antenna, no?
Working with a "return loss bridge" for the last 30 years has proven this to me.
It's hard to beat a resonant dipole for efficiency. (That includes the "J" pole.)
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19614. Re: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 20:48:40 UTC
From: Dan Schaaf
Topic: 19580 Message: 19614

Jo

You didn't answer my question why my 3/8 wave AV-640 vertical requires a 50 ohm to 200 ohm transformer balun.

Look at it a different way. If a 1/4 wave vertical is 1/2 of a 1/2 wave dipole, then a 3/8 wave vertical is 1/2 of a 6/8 (3/4) wave dipole. And that is not 50 ohms.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: "jo barden" <jobarden422@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, September 04, 2011 3:11 PM
Subject: RE: [ham-antennas] Re: OCFD QUESTION

> half wave dipole impedance is approx 72 ohms, quarter wave with good
> radial is 36 ohm, therefore 3/8 wave with good ground/radials will be in
> between the two approx 54 ohms so good match?
>
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: dan-schaaf@...
> Date: Sun, 4 Sep 2011 14:58:34 -0400
> Subject: Re: [ham-antennas] Re: OCFD QUESTION
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> <<<a 3/8 wave is good in that it offers an approximate 50 ohm load
> when used
>
> with good radial system >>>
>
>
>
> Then why does my 3/8 wave AV-640 vertical antenna require a 50 ohm to 200
>
> ohm balun (matching) ???
>
>
>
> Best Regards
>
> Dan Schaaf
>
> K3ZXL www.k3zxl.com
>
> NOBSKA www.nobska.net
>
> Cape Cod Instruments www.gnm-inc.com
>
>
>
> ----- Original Message -----
>
> From: "jo barden" <jobarden422@...>
>
> To: <ham-antennas@yahoogroups.com>
>

> Sent: Sunday, September 04, 2011 2:43 PM
>
> Subject: RE: [ham-antennas] Re: OCFD QUESTION
>
>
>
>>
>
>> Sorry to disagree but......
>
>>
>
>>
>
>> Resonance is not the be all and end all, it is just where the inductive
>
>> and capacitive reluctances cancel out, a 3/8 wave is good in that it
>
>> offers an approximate 50 ohm load when used with good radial system, now
>
>> the max current should be where the impedance is lowest which will be in
>
>> the vertical section of your antenna.
>
>>
>
>> As far as your field strength meter remember that you have 2 fields a
>
>> magnetic and electric so you may be picking up the electric as opposed to
>
>> magnetic (high current section) field.
>
>>
>
>> Now saying all this I will be happily corrected by better minds in case I
>
>> have it all wrong.
>
>>
>
>> Jon
>
>>
>
>> G6UWK
>
>>
>
>> To: ham-antennas@yahoogroups.com
>

>> From: k5est@...
>
>> Date: Sun, 4 Sep 2011 01:09:45 +0000
>
>> Subject: [ham-antennas] Re: OCFD QUESTION
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>

>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>> Little help please, I use 3/8 WL inverted L's, so now I'm being told
>
>> that the max current is the 1st 1/3 of the wire? This is confusing
>> because
>
>> max radiation is 1/4 WL from the far end, or at least that is what my
>
>> field strength meter indicates. Can someone take the fog out of my
>
>> thinking?
>
>>
>
>> 73....Walter - K5EST
>
>>
>
>>
>
>>
>
>> .....snipped.......
>
>>
>
>> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
>>
>
>>>
>
>>
>
>>> Remember 80% of the current is carried
>
>>
>
>>> in the first 1/3 of an antenna, it is not an end to end current like an

>
>>> ac or dc circuit.
>
>>
>
>>> The conductivity of your antenna is not as important as being
>>> resonant
>
>>> on your operating frequency.
>
>>
>
>>> --
>
>>
>
>>> Ron KA4INM
>
>>
>
>>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>

>>
>
>>
>
>>
>
>>
>
>> [Non-text portions of this message have been removed]
>
>>
>
>>
>
>>
>
>> ------------------------------------
>
>>
>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>> go
>
>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>
>> Any statements in ANY post that may be construed as inflamatory MAY be
>
>> cause for suspension. Moderators WILL have final say in these matters.
>
>> Post message: ham-antennas@yahoogroups.com
>
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>
>> List owner: ham-antennas-owner@yahoogroups.com
>
>> Yahoo! Groups Links
>
>>
>
>>
>
>>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19615. RE: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 20:51:47 UTC
From: jo barden
Topic: 19580 Message: 19615

Hi Ron

I agree that resonant antennas make life easier but in Radcom May edition this year there is a review of "Duel beam pro" this is indeed a non resonant antenna and it gets a good write up.

Jon

To: ham-antennas@yahoogroups.com
From: ka4inm@...
Date: Sun, 4 Sep 2011 16:40:46 -0400
Subject: Re: [ham-antennas] Re: OCFD QUESTION

Jo G6UWK Barden wrote:

> Sorry to disagree but......

> Resonance is not the be all and end all, it is just where the inductive and capacitive reluctances cancel out, a 3/8 wave is good in that it offers an approximate 50 ohm load when used with good radial system, now the max current should be where the impedance is lowest which will be in the vertical section of your antenna.

Sorry to disagree but ...

As far as I know, at resonance an antenna has the greatest radiation resistance, the greatest

amount of power is being converted to electrostatic and electromagnetic waves by the antenna, no?

Working with a "return loss bridge" for the last 30 years has proven this to me.

It's hard to beat a resonant dipole for efficiency. (That includes the "J" pole.)

--

Ron KA4INM - Ifen my mother in law were to boil water

it would taste funny ... Earl Pitts 9-1-11

[Non-text portions of this message have been removed]

19616. RE: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 21:01:15 UTC
From: jo barden
Topic: 19580 Message: 19616

Sorry I don't know why the AV-640 requires a balun and yes I can see where the 6/8 bit comes in but I assumed the antenna in question was 3/8 wave end fed against the ground/radials. If I have it right and it is actually a dipole with each leg as a 3/8 wave I would expect the impedance to be 100 ohms. I seem to remember a graph showing impedance against wavelength in the ARRL antenna book but mine is upstairs.

Jon

To: ham-antennas@yahoogroups.com
From: dan-schaaf@...
Date: Sun, 4 Sep 2011 16:48:40 -0400
Subject: Re: [ham-antennas] Re: OCFD QUESTION

Jo

You didn't answer my question why my 3/8 wave AV-640 vertical requires a 50

ohm to 200 ohm transformer balun.

Look at it a different way. If a 1/4 wave vertical is 1/2 of a 1/2 wave

dipole, then a 3/8 wave vertical is 1/2 of a 6/8 (3/4) wave dipole. And

that is not 50 ohms.

Best Regards

Dan Schaaf

K3ZXL www.k3zxl.com

NOBSKA www.nobska.net

Cape Cod Instruments www.gnm-inc.com

Tel: 941-766-0706

Fax: 941-766-0707

----- Original Message -----

From: "jo barden" <jobarden422@msn.com>

To: <ham-antennas@yahoogroups.com>

Sent: Sunday, September 04, 2011 3:11 PM

Subject: RE: [ham-antennas] Re: OCFD QUESTION

>

> half wave dipole impedance is approx 72 ohms, quarter wave with good

> radial is 36 ohm, therefore 3/8 wave with good ground/radials will be in

> between the two approx 54 ohms so good match?

>

>

> Jon

>

> G6UWK

>

> To: ham-antennas@yahoogroups.com

> From: dan-schaaf@...

> Date: Sun, 4 Sep 2011 14:58:34 -0400

> Subject: Re: [ham-antennas] Re: OCFD QUESTION

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> <<<a 3/8 wave is good in that it offers an approximate 50 ohm load

> when used

>

> with good radial system >>>

>

>

>

> Then why does my 3/8 wave AV-640 vertical antenna require a 50 ohm to 200

>

> ohm balun (matching) ???

>

>

>

> Best Regards

>

> Dan Schaaf

>

> K3ZXL www.k3zxl.com

>

> NOBSKA www.nobska.net

>

> Cape Cod Instruments www.gnm-inc.com

>

>

>

> ----- Original Message -----

>

> From: "jo barden" <jobarden422@...>

>

> To: <ham-antennas@yahoogroups.com>

>

> Sent: Sunday, September 04, 2011 2:43 PM

>

> Subject: RE: [ham-antennas] Re: OCFD QUESTION

>

>

>

>>

>

>> Sorry to disagree but......

>

>>

>

>>

>

>> Resonance is not the be all and end all, it is just where the inductive

>

>> and capacitive reluctances cancel out, a 3/8 wave is good in that it

>

>> offers an approximate 50 ohm load when used with good radial system, now

>

>> the max current should be where the impedance is lowest which will be in

>

>> the vertical section of your antenna.

>

>>

>

>> As far as your field strength meter remember that you have 2 fields a

>

>> magnetic and electric so you may be picking up the electric as opposed to

>

>> magnetic (high current section) field.

>

>>

>

>> Now saying all this I will be happily corrected by better minds in case I

>

>> have it all wrong.

>

>>

>

>> Jon

>

>>

>

>> G6UWK

>

>>

>

>> To: ham-antennas@yahoogroups.com

>

>> From: k5est@...

>

>> Date: Sun, 4 Sep 2011 01:09:45 +0000

>

>> Subject: [ham-antennas] Re: OCFD QUESTION

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>> Little help please, I use 3/8 WL inverted L's, so now I'm being told

>

>> that the max current is the 1st 1/3 of the wire? This is confusing

>> because

>

>> max radiation is 1/4 WL from the far end, or at least that is what my

>

>> field strength meter indicates. Can someone take the fog out of my

>

>> thinking?

>

>>

>

>> 73....Walter - K5EST

>

>>

>

>>

>

>>

>

>> .....snipped.......

>

>>

>

>> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:

>

>>

>

>>>

>

>>

>

>>> Remember 80% of the current is carried

>

>>

>

>>> in the first 1/3 of an antenna, it is not an end to end current like an

>

>>> ac or dc circuit.

>

>>

>

>>> The conductivity of your antenna is not as important as being

>>> resonant

>

>>> on your operating frequency.

>

>>

>

>>> --

>

>>

>

>>> Ron KA4INM

>

>>

>

>>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>> [Non-text portions of this message have been removed]

>

>>

>

>>

>

>>

>

>> ------------------------------------

>

>>

>

>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies

>> go

>

>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

>

>> Any statements in ANY post that may be construed as inflamatory MAY be

>

>> cause for suspension. Moderators WILL have final say in these matters.

>

>> Post message: ham-antennas@yahoogroups.com

>

>> Subscribe: ham-antennas-subscribe@yahoogroups.com

>

>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

>

>> List owner: ham-antennas-owner@yahoogroups.com

>

>> Yahoo! Groups Links

>

>>

>

>>

>

>>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> ------------------------------------

>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be

> cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links

>

>

>

[Non-text portions of this message have been removed]

19617. Re: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 21:02:33 UTC
From: Ron Youvan
Topic: 19580 Message: 19617

Jo G6UWK Barden wrote:

> I agree that resonant antennas make life easier but in Radcom May edition this year there is a review of "Duel beam pro" this is indeed a non resonant antenna and it gets a good write up.

Non resonant antennas that are made resonant with an external tuner work almost as good as a
resonant antenna, but never the same because of extra losses.
It very much depends on what they are comparing it to.

Just like a shortened loaded resonant dipole compared to a full sized resonant dipole is never
the same, where the reduced bandwidth imposes an additional hardship.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19618. Re: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 21:09:44 UTC
From: Dan Schaaf
Topic: 19580 Message: 19618

Jo

I would like to see that graph because I have discussions with others on antennas and never have a quick reference for impedance vs. wavelength or degrees .

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: "jo barden" <jobarden422@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, September 04, 2011 5:01 PM
Subject: RE: [ham-antennas] Re: OCFD QUESTION

>
> Sorry I don't know why the AV-640 requires a balun and yes I can see where
> the 6/8 bit comes in but I assumed the antenna in question was 3/8 wave
> end fed against the ground/radials. If I have it right and it is actually
> a dipole with each leg as a 3/8 wave I would expect the impedance to be
> 100 ohms. I seem to remember a graph showing impedance against wavelength
> in the ARRL antenna book but mine is upstairs.
>
> Jon
>
> To: ham-antennas@yahoogroups.com
> From: dan-schaaf@...
> Date: Sun, 4 Sep 2011 16:48:40 -0400
> Subject: Re: [ham-antennas] Re: OCFD QUESTION
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Jo
>
>
>
> You didn't answer my question why my 3/8 wave AV-640 vertical requires a
> 50
>
> ohm to 200 ohm transformer balun.
>
>
>
> Look at it a different way. If a 1/4 wave vertical is 1/2 of a 1/2 wave
>
> dipole, then a 3/8 wave vertical is 1/2 of a 6/8 (3/4) wave dipole. And
>
> that is not 50 ohms.
>
>
>
> Best Regards
>
> Dan Schaaf
>
> K3ZXL www.k3zxl.com
>
> NOBSKA www.nobska.net
>
> Cape Cod Instruments www.gnm-inc.com
>
> Tel: 941-766-0706
>
> Fax: 941-766-0707
>
>

>
> ----- Original Message -----
>
> From: "jo barden" <jobarden422@...>
>
> To: <ham-antennas@yahoogroups.com>
>
> Sent: Sunday, September 04, 2011 3:11 PM
>
> Subject: RE: [ham-antennas] Re: OCFD QUESTION
>
>
>
>>
>
>> half wave dipole impedance is approx 72 ohms, quarter wave with good
>
>> radial is 36 ohm, therefore 3/8 wave with good ground/radials will be in
>
>> between the two approx 54 ohms so good match?
>
>>
>
>>
>
>> Jon
>
>>
>
>> G6UWK
>
>>
>
>> To: ham-antennas@yahoogroups.com
>
>> From: dan-schaaf@...
>
>> Date: Sun, 4 Sep 2011 14:58:34 -0400
>
>> Subject: Re: [ham-antennas] Re: OCFD QUESTION
>
>>
>
>>
>
>>
>
>>
>
>>
>

>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>> <<<a 3/8 wave is good in that it offers an approximate 50 ohm load
>
>> when used

>
>>
>
>> with good radial system >>>
>
>>
>
>>
>
>>
>
>> Then why does my 3/8 wave AV-640 vertical antenna require a 50 ohm to 200
>
>>
>
>> ohm balun (matching) ???
>
>>
>
>>
>
>>
>
>> Best Regards
>
>>
>
>> Dan Schaaf
>
>>
>
>> K3ZXL www.k3zxl.com
>
>>
>
>> NOBSKA www.nobska.net
>
>>
>
>> Cape Cod Instruments www.gnm-inc.com
>
>>
>
>>
>
>>
>
>> ----- Original Message -----
>
>>

>
>> From: "jo barden" <jobarden422@...>
>
>>
>
>> To: <ham-antennas@yahoogroups.com>
>
>>
>
>> Sent: Sunday, September 04, 2011 2:43 PM
>
>>
>
>> Subject: RE: [ham-antennas] Re: OCFD QUESTION
>
>>
>
>>
>
>>
>
>>
>
>>>>
>
>>
>
>>> Sorry to disagree but......
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> Resonance is not the be all and end all, it is just where the inductive
>
>>
>
>>> and capacitive reluctances cancel out, a 3/8 wave is good in that it
>
>>
>
>>> offers an approximate 50 ohm load when used with good radial system, now
>
>>
>
>>> the max current should be where the impedance is lowest which will be in

>
>>
>
>>> the vertical section of your antenna.
>
>>
>
>>>
>
>>
>
>>> As far as your field strength meter remember that you have 2 fields a
>
>>
>
>>> magnetic and electric so you may be picking up the electric as opposed
>>> to
>
>>
>
>>> magnetic (high current section) field.
>
>>
>
>>>
>
>>
>
>>> Now saying all this I will be happily corrected by better minds in case
>>> I
>
>>
>
>>> have it all wrong.
>
>>
>
>>>
>
>>
>
>>> Jon
>
>>
>
>>>
>
>>
>
>>> G6UWK

>
>>
>
>>>
>
>>
>
>>> To: ham-antennas@yahoogroups.com
>
>>
>
>>> From: k5est@...
>
>>
>
>>> Date: Sun, 4 Sep 2011 01:09:45 +0000
>
>>
>
>>> Subject: [ham-antennas] Re: OCFD QUESTION
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>

>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>

>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> Little help please, I use 3/8 WL inverted L's, so now I'm being
>>> told
>
>>
>
>>> that the max current is the 1st 1/3 of the wire? This is confusing
>
>>> because
>
>>
>
>>> max radiation is 1/4 WL from the far end, or at least that is what my
>
>>
>

>>> field strength meter indicates. Can someone take the fog out of my
>
>>
>
>>> thinking?
>
>>
>
>>>
>
>>
>
>>> 73....Walter - K5EST
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> .....snipped.......
>
>>
>
>>>
>
>>
>
>>> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>

>>
>
>>>> Remember 80% of the current is carried
>
>>
>
>>>
>
>>
>
>>>> in the first 1/3 of an antenna, it is not an end to end current like an
>
>>
>
>>>> ac or dc circuit.
>
>>
>
>>>
>
>>
>
>>>> The conductivity of your antenna is not as important as being
>
>>>> resonant
>
>>
>
>>>> on your operating frequency.
>
>>
>
>>>
>
>>
>
>>>> --
>
>>
>
>>>
>
>>
>
>>>> Ron KA4INM
>
>>
>
>>>
>

>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>

>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> [Non-text portions of this message have been removed]
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> ------------------------------------
>
>>
>
>>>
>

>>
>
>>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>
>>> go
>
>>
>
>>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>
>>
>
>>> Any statements in ANY post that may be construed as inflamatory MAY be
>
>>
>
>>> cause for suspension. Moderators WILL have final say in these matters.
>
>>
>
>>> Post message: ham-antennas@yahoogroups.com
>
>>
>
>>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>
>>
>
>>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>
>>
>
>>> List owner: ham-antennas-owner@yahoogroups.com
>
>>
>
>>> Yahoo! Groups Links
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>

>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>> [Non-text portions of this message have been removed]
>
>>
>
>>
>
>>
>
>>
>
>> ------------------------------------
>
>>
>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>> go

>
>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>
>> Any statements in ANY post that may be construed as inflamatory MAY be
>
>> cause for suspension. Moderators WILL have final say in these matters.
>
>> Post message: ham-antennas@yahoogroups.com
>
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>
>> List owner: ham-antennas-owner@yahoogroups.com
>
>> Yahoo! Groups Links
>
>>
>
>>
>
>>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19619. Re: [ham-antennas] I can not seem to unsubscribe.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-04 22:20:37 UTC
From: Andy
Topic: 19608 Message: 19619

> ... I hit "Unsubscribe" but the mail just keeps coming.

This can happen if you've sent it from a different email address than the exact one you signed up with, or are currently registered with on the list.

If you signed up via the web (and have a Yahoo login and can remember your password), that is the more reliable way to manage your subscriptions and to unsubscribe.

Andy

19620. Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 01:31:25 UTC
From: k5est
Topic: 19580 Message: 19620

Hi Ron, yes'sir been using horiz loops since roughly 1977,
so up right now is a 40 meter horiz delta loop fed several
feet from a corner to lessen the rhombic effect. If you
have a horiz loop up, not much any other antenna is
needed, but the 3/8 WL inverted L is for conserving
space and its a super radiator for dxing or NVIS,
depending on where you place the maximum
radiating area. Please Google "3/8 WL antenna"
for some insight. They are much easier to match
than a low impedance 1/4 WL inverted L or vertical.
Also, I have up a 135 ft open wire fed dipole for my
reference antenna.
73....Walter - K5EST

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Walter K5EST wrote:
>
> > Little help please, I use 3/8 WL inverted L's, so now I'm being told that the max
current is the 1st
> > 1/3 of the wire? This is confusing because max radiation is 1/4 WL from the far end, or
at least
> > that is what my field strength meter indicates. Can someone take the fog out of my
thinking?
>
> The current on a center fed dipole (or any dipole) is illustrated thus:
>
> http://en.wikipedia.org/wiki/File:Lambdaover2-antenna.jpg
>
> Lots of current in the center, little at the ends. Your antenna may vary.
> I never heard of a 3/8 wl antenna. I don't know where I've been.
>
> Do you have any other antennas or is that your only antenna?
> --
> Ron KA4INM - Ifen my mother in law were to boil water
> it would taste funny ... Earl Pitts 9-1-11
>

19621. RE: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 07:40:04 UTC
From: jo barden
Topic: 19580 Message: 19621

Hi Dan

This what I have found so far about length versus impedance, I have started to look through my "Antenna book 21st ed." but not there yet but below show how 1/4 wave is 36 ohm (approx) and therefore dipole is 72 ohm and half wave is several K ohms.

backyard antennas, Peter Dodd, chapter 3, page 29 and
http://www.antenna-theory.com/antennas/dipole.php

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: dan-schaaf@...
Date: Sun, 4 Sep 2011 17:09:44 -0400
Subject: Re: [ham-antennas] Re: OCFD QUESTION

Jo

I would like to see that graph because I have discussions with others on

antennas and never have a quick reference for impedance vs. wavelength or

degrees .

Best Regards

Dan Schaaf

K3ZXL www.k3zxl.com

NOBSKA www.nobska.net

Cape Cod Instruments www.gnm-inc.com

Tel: 941-766-0706

Fax: 941-766-0707

----- Original Message -----

From: "jo barden" <jobarden422@...>

To: <ham-antennas@yahoogroups.com>

Sent: Sunday, September 04, 2011 5:01 PM

Subject: RE: [ham-antennas] Re: OCFD QUESTION

> Sorry I don't know why the AV-640 requires a balun and yes I can see where
> the 6/8 bit comes in but I assumed the antenna in question was 3/8 wave
> end fed against the ground/radials. If I have it right and it is actually
> a dipole with each leg as a 3/8 wave I would expect the impedance to be
> 100 ohms. I seem to remember a graph showing impedance against wavelength
> in the ARRL antenna book but mine is upstairs.
>
> Jon
>
> To: ham-antennas@yahoogroups.com
> From: dan-schaaf@...
> Date: Sun, 4 Sep 2011 16:48:40 -0400
> Subject: Re: [ham-antennas] Re: OCFD QUESTION
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>

>

>

>

>

>

>

>

>

>

>

>

>

> Jo

>

>

>

> You didn't answer my question why my 3/8 wave AV-640 vertical requires a

> 50

>

> ohm to 200 ohm transformer balun.

>

>

>

> Look at it a different way. If a 1/4 wave vertical is 1/2 of a 1/2 wave

>

> dipole, then a 3/8 wave vertical is 1/2 of a 6/8 (3/4) wave dipole. And

>

> that is not 50 ohms.

>

>

>

> Best Regards

>

> Dan Schaaf

>

> K3ZXL www.k3zxl.com

>

> NOBSKA www.nobska.net

>

> Cape Cod Instruments www.gnm-inc.com

>

> Tel: 941-766-0706

>

> Fax: 941-766-0707

>

>

>

> ----- Original Message -----

>

> From: "jo barden" <jobarden422@...>

>

> To: <ham-antennas@yahoogroups.com>

>

> Sent: Sunday, September 04, 2011 3:11 PM

>

> Subject: RE: [ham-antennas] Re: OCFD QUESTION

>

>

>

>>

>

>> half wave dipole impedance is approx 72 ohms, quarter wave with good

>

>> radial is 36 ohm, therefore 3/8 wave with good ground/radials will be in

>

>> between the two approx 54 ohms so good match?

>

>>

>

>>

>

>> Jon

>

>>

>

>> G6UWK

>

>>

>

>> To: ham-antennas@yahoogroups.com

>

>> From: dan-schaaf@...

>

>> Date: Sun, 4 Sep 2011 14:58:34 -0400

>

>> Subject: Re: [ham-antennas] Re: OCFD QUESTION

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>> <<<a 3/8 wave is good in that it offers an approximate 50 ohm load

>

>> when used

>

>>

>

>> with good radial system >>>

>

>>

>

>>

>

>>

>

>> Then why does my 3/8 wave AV-640 vertical antenna require a 50 ohm to 200

>

>>

>

>> ohm balun (matching) ???

>

>>

>

>>

>

>>

>

>> Best Regards

>

>>

>

>> Dan Schaaf

>

>>

>

>> K3ZXL www.k3zxl.com

>

>>

>

>> NOBSKA www.nobska.net

>

>>

>

>> Cape Cod Instruments www.gnm-inc.com

>

>>

>

>>

>

>>

>

>> ----- Original Message -----

>

>>

>

>> From: "jo barden" <jobarden422@...>

>

>>

>

>> To: <ham-antennas@yahoogroups.com>

>

>>

>

>> Sent: Sunday, September 04, 2011 2:43 PM

>

>>

>

>> Subject: RE: [ham-antennas] Re: OCFD QUESTION

>

>>

>

>>

>

>>

>

>>>

>

>>

>

>>> Sorry to disagree but......

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>> Resonance is not the be all and end all, it is just where the inductive

>

>>

>

>>> and capacitive reluctances cancel out, a 3/8 wave is good in that it

>

>>

>

>>> offers an approximate 50 ohm load when used with good radial system, now

>

>>

>

>>> the max current should be where the impedance is lowest which will be in

>

>>

>

>>> the vertical section of your antenna.

>

>>

>

>>>

>

>>

>

>>> As far as your field strength meter remember that you have 2 fields a

>

>>

>

>>> magnetic and electric so you may be picking up the electric as opposed

>>> to

>

>>

>

>>> magnetic (high current section) field.

>

>>

>

>>>

>

>>

>

>>> Now saying all this I will be happily corrected by better minds in case

>>> I

>

>>

>

>>> have it all wrong.

>

>>

>

>>>

>

>>

>

>>> Jon

>

>>

>

>>>

>

>>

>

>>> G6UWK

>

>>

>

>>>

>

>>

>

>>> To: ham-antennas@yahoogroups.com

>

>>

>

>>> From: k5est@...

>

>>

>

>>> Date: Sun, 4 Sep 2011 01:09:45 +0000

>

>>

>

>>> Subject: [ham-antennas] Re: OCFD QUESTION

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>> Little help please, I use 3/8 WL inverted L's, so now I'm being

>>> told

>

>>

>

>>> that the max current is the 1st 1/3 of the wire? This is confusing

>

>>> because

>

>>

>

>>> max radiation is 1/4 WL from the far end, or at least that is what my

>

>>

>

>>> field strength meter indicates. Can someone take the fog out of my

>

>>

>

>>> thinking?

>

>>

>

>>>

>

>>

>

>>> 73....Walter - K5EST

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>> .....snipped.......

>

>>

>

>>>

>

>>

>

>>> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:

>

>>

>

>>>

>

>>

>

>>>>

>

>>

>

>>>

>

>>

>

>>>> Remember 80% of the current is carried

>

>>

>

>>>

>

>>

>

>>>> in the first 1/3 of an antenna, it is not an end to end current like an

>

>>

>

>>>> ac or dc circuit.

>

>>

>

>>>

>

>>

>

>>>> The conductivity of your antenna is not as important as being

>

>>>> resonant

>

>>

>

>>>> on your operating frequency.

>

>>

>

>>>

>

>>

>

>>>> --

>

>>

>

>>>

>

>>

>

>>>> Ron KA4INM

>

>>

>

>>>

>

>>

>

>>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>> [Non-text portions of this message have been removed]

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>> ------------------------------------

>

>>

>

>>>

>

>>

>

>>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies

>

>>> go

>

>>

>

>>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

>

>>

>

>>> Any statements in ANY post that may be construed as inflamatory MAY be

>

>>

>

>>> cause for suspension. Moderators WILL have final say in these matters.

>

>>

>

>>> Post message: ham-antennas@yahoogroups.com

>

>>

>

>>> Subscribe: ham-antennas-subscribe@yahoogroups.com

>

>>

>

>>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

>

>>

>

>>> List owner: ham-antennas-owner@yahoogroups.com

>

>>

>

>>> Yahoo! Groups Links

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>>

>

>> [Non-text portions of this message have been removed]

>

>>

>

>>

>

>>

>

>> ------------------------------------

>

>>

>

>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies

>> go

>

>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

>

>> Any statements in ANY post that may be construed as inflamatory MAY be

>

>> cause for suspension. Moderators WILL have final say in these matters.

>

>> Post message: ham-antennas@yahoogroups.com

>

>> Subscribe: ham-antennas-subscribe@yahoogroups.com

>

>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

>

>> List owner: ham-antennas-owner@yahoogroups.com

>

>> Yahoo! Groups Links

>

>>

>

>>

>

>>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> ------------------------------------

>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be

> cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links

>

>

>

[Non-text portions of this message have been removed]

19622. Re: [ham-antennas] Re: OCFD QUESTION

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 11:36:21 UTC
From: Dan Schaaf
Topic: 19580 Message: 19622

Hi Jo

Thanks for that link. I printed the graph. Then I drew a line up from 3/4 wave dipole. The line intersected at 400 ohms real and 800 ohms imaginary. Divided by 2 for vertical antenna (3/8 wave) gives 200 ohms real and 400 ohms imaginary.
That makes a lot of sense and confirms what I had thought.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: "jo barden" <jobarden422@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, September 05, 2011 3:40 AM
Subject: RE: [ham-antennas] Re: OCFD QUESTION

>
> Hi Dan
>
> This what I have found so far about length versus impedance, I have
> started to look through my "Antenna book 21st ed." but not there yet but
> below show how 1/4 wave is 36 ohm (approx) and therefore dipole is 72 ohm
> and half wave is several K ohms.
>
> backyard antennas, Peter Dodd, chapter 3, page 29 and
> http://www.antenna-theory.com/antennas/dipole.php
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: dan-schaaf@...
> Date: Sun, 4 Sep 2011 17:09:44 -0400
> Subject: Re: [ham-antennas] Re: OCFD QUESTION
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Jo
>
>
>
> I would like to see that graph because I have discussions with others on
>
> antennas and never have a quick reference for impedance vs. wavelength or
>
> degrees .
>
>
>
> Best Regards
>
> Dan Schaaf
>
> K3ZXL www.k3zxl.com
>
> NOBSKA www.nobska.net
>
> Cape Cod Instruments www.gnm-inc.com
>
> Tel: 941-766-0706
>
> Fax: 941-766-0707
>
>

>
> ----- Original Message -----
>
> From: "jo barden" <jobarden422@...>
>
> To: <ham-antennas@yahoogroups.com>
>
> Sent: Sunday, September 04, 2011 5:01 PM
>
> Subject: RE: [ham-antennas] Re: OCFD QUESTION
>
>
>
>>
>
>> Sorry I don't know why the AV-640 requires a balun and yes I can see
>> where
>
>> the 6/8 bit comes in but I assumed the antenna in question was 3/8 wave
>
>> end fed against the ground/radials. If I have it right and it is actually
>
>> a dipole with each leg as a 3/8 wave I would expect the impedance to be
>
>> 100 ohms. I seem to remember a graph showing impedance against wavelength
>
>> in the ARRL antenna book but mine is upstairs.
>
>>
>
>> Jon
>
>>
>
>> To: ham-antennas@yahoogroups.com
>
>> From: dan-schaaf@...
>
>> Date: Sun, 4 Sep 2011 16:48:40 -0400
>
>> Subject: Re: [ham-antennas] Re: OCFD QUESTION
>
>>
>
>>
>
>>
>
>>
>
>>
>

>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>> Jo
>

>>
>
>>
>
>>
>
>> You didn't answer my question why my 3/8 wave AV-640 vertical requires a
>
>> 50
>
>>
>
>> ohm to 200 ohm transformer balun.
>
>>
>
>>
>
>>
>
>> Look at it a different way. If a 1/4 wave vertical is 1/2 of a 1/2 wave
>
>>
>
>> dipole, then a 3/8 wave vertical is 1/2 of a 6/8 (3/4) wave dipole. And
>
>>
>
>> that is not 50 ohms.
>
>>
>
>>
>
>>
>
>> Best Regards
>
>>
>
>> Dan Schaaf
>
>>
>
>> K3ZXL www.k3zxl.com
>
>>
>
>> NOBSKA www.nobska.net
>

>>
>
>> Cape Cod Instruments www.gnm-inc.com
>
>>
>
>> Tel: 941-766-0706
>
>>
>
>> Fax: 941-766-0707
>
>>
>
>>
>
>>
>
>> ----- Original Message -----
>
>>
>
>> From: "jo barden" <jobarden422@...>
>
>>
>
>> To: <ham-antennas@yahoogroups.com>
>
>>
>
>> Sent: Sunday, September 04, 2011 3:11 PM
>
>>
>
>> Subject: RE: [ham-antennas] Re: OCFD QUESTION
>
>>
>
>>
>
>>
>
>>>>
>
>>
>
>>> half wave dipole impedance is approx 72 ohms, quarter wave with good
>
>>
>

>>> radial is 36 ohm, therefore 3/8 wave with good ground/radials will be in
>
>>
>
>>> between the two approx 54 ohms so good match?
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> Jon
>
>>
>
>>>
>
>>
>
>>> G6UWK
>
>>
>
>>>
>
>>
>
>>> To: ham-antennas@yahoogroups.com
>
>>
>
>>> From: dan-schaaf@...
>
>>
>
>>> Date: Sun, 4 Sep 2011 14:58:34 -0400
>
>>
>
>>> Subject: Re: [ham-antennas] Re: OCFD QUESTION
>
>>
>
>>>
>

>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>

>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>

>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> <<<a 3/8 wave is good in that it offers an approximate 50 ohm load
>
>>
>
>>> when used
>
>>
>
>>>
>
>>
>
>>> with good radial system >>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> Then why does my 3/8 wave AV-640 vertical antenna require a 50 ohm to
>>> 200
>
>>
>
>>>
>
>>
>
>>> ohm balun (matching) ???
>
>>

>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> Best Regards
>
>>
>
>>>
>
>>
>
>>> Dan Schaaf
>
>>
>
>>>
>
>>
>
>>> K3ZXL www.k3zxl.com
>
>>
>
>>>
>
>>
>
>>> NOBSKA www.nobska.net
>
>>
>
>>>
>
>>
>
>>> Cape Cod Instruments www.gnm-inc.com
>
>>
>
>>>

>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> ----- Original Message -----
>
>>
>
>>>
>
>>
>
>>> From: "jo barden" <jobarden422@...>
>
>>
>
>>>
>
>>
>
>>> To: <ham-antennas@yahoogroups.com>
>
>>
>
>>>
>
>>
>
>>> Sent: Sunday, September 04, 2011 2:43 PM
>
>>
>
>>>
>
>>
>
>>> Subject: RE: [ham-antennas] Re: OCFD QUESTION
>
>>
>
>>>
>
>>

>
>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> Sorry to disagree but......
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> Resonance is not the be all and end all, it is just where the inductive
>
>>
>
>>>
>
>>
>
>>>> and capacitive reluctances cancel out, a 3/8 wave is good in that it

>
>>
>
>>>
>
>>
>
>>>> offers an approximate 50 ohm load when used with good radial system,
>>>> now
>
>>
>
>>>
>
>>
>
>>>> the max current should be where the impedance is lowest which will be
>>>> in
>
>>
>
>>>
>
>>
>
>>>> the vertical section of your antenna.
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> As far as your field strength meter remember that you have 2 fields a
>
>>
>
>>>
>
>>
>
>>>> magnetic and electric so you may be picking up the electric as opposed

>
>>>> to
>
>>
>
>>>
>
>>
>
>>>> magnetic (high current section) field.
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> Now saying all this I will be happily corrected by better minds in case
>
>>>> I
>
>>
>
>>>
>
>>
>
>>>> have it all wrong.
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>

>
>>>> Jon
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> G6UWK
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> To: ham-antennas@yahoogroups.com
>
>>
>
>>>
>
>>
>
>>>> From: k5est@...
>
>>
>
>>>
>
>>
>
>>>> Date: Sun, 4 Sep 2011 01:09:45 +0000

>
>>
>
>>>
>
>>
>
>>>> Subject: [ham-antennas] Re: OCFD QUESTION
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>

>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>

>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>

>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>

>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> Little help please, I use 3/8 WL inverted L's, so now I'm being
>
>>>> told
>
>>
>
>>>
>
>>
>
>>>> that the max current is the 1st 1/3 of the wire? This is confusing

>
>>
>
>>>> because
>
>>
>
>>>
>
>>
>
>>>> max radiation is 1/4 WL from the far end, or at least that is what my
>
>>
>
>>>
>
>>
>
>>>> field strength meter indicates. Can someone take the fog out of my
>
>>
>
>>>
>
>>
>
>>>> thinking?
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> 73....Walter - K5EST
>
>>
>
>>>
>
>>

>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> .....snipped.......
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
>>
>
>>>
>
>>
>
>>>>

>
>>
>
>>>
>
>>
>
>>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>> Remember 80% of the current is carried
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>> in the first 1/3 of an antenna, it is not an end to end current like
>>>>> an
>
>>
>
>>>
>
>>
>
>>>>> ac or dc circuit.
>

>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>> The conductivity of your antenna is not as important as being
>
>>
>
>>>>> resonant
>
>>
>
>>>
>
>>
>
>>>>> on your operating frequency.
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>> --
>
>>
>
>>>
>
>>
>

>>>>
>
>>
>
>>>
>
>>
>
>>>>> Ron KA4INM
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>

>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>

>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>

>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> [Non-text portions of this message have been removed]
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>

>>>>
>
>>
>
>>>
>
>>
>
>>>> ------------------------------------
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>
>>
>
>>>> go
>
>>
>
>>>
>
>>
>
>>>> to ALL 2586 members (as of 6/28/11). and attachments are NOT
>>>> permitted.
>
>>
>
>>>
>
>>
>
>>>> Any statements in ANY post that may be construed as inflamatory MAY be
>
>>
>
>>>

>
>>
>
>>>> cause for suspension. Moderators WILL have final say in these matters.
>
>>
>
>>>
>
>>
>
>>>> Post message: ham-antennas@yahoogroups.com
>
>>
>
>>>
>
>>
>
>>>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>
>>
>
>>>
>
>>
>
>>>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>
>>
>
>>>
>
>>
>
>>>> List owner: ham-antennas-owner@yahoogroups.com
>
>>
>
>>>
>
>>
>
>>>> Yahoo! Groups Links
>
>>
>
>>>
>
>>

>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>

>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>> [Non-text portions of this message have been removed]
>
>>
>
>>>
>
>>

>
>>>
>
>>
>
>>>
>
>>
>
>>> ------------------------------------
>
>>
>
>>>
>
>>
>
>>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>
>>> go
>
>>
>
>>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>
>>
>
>>> Any statements in ANY post that may be construed as inflamatory MAY be
>
>>
>
>>> cause for suspension. Moderators WILL have final say in these matters.
>
>>
>
>>> Post message: ham-antennas@yahoogroups.com
>
>>
>
>>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>
>>
>
>>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>
>>
>
>>> List owner: ham-antennas-owner@yahoogroups.com
>
>>

>
>>> Yahoo! Groups Links
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>
>
>>

>
>> [Non-text portions of this message have been removed]
>
>>
>
>>
>
>>
>
>> ------------------------------------
>
>>
>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>> go
>
>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>
>> Any statements in ANY post that may be construed as inflamatory MAY be
>
>> cause for suspension. Moderators WILL have final say in these matters.
>
>> Post message: ham-antennas@yahoogroups.com
>
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>
>> List owner: ham-antennas-owner@yahoogroups.com
>
>> Yahoo! Groups Links
>
>>
>
>>
>
>>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19623. Re: Inverted Vee 3 element Wire Beam for 20 meters qrp

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 13:27:22 UTC
From: amicom_ro
Topic: 19602 Message: 19623

Look in the book: "73 Vertical, Beam and Triangle Antennas" by Edward M. Noll, W3FQJ, fourth printing - 1976, publishing house: Editors and Engineers.

In chapters 43, 44, 45 and 46 you'll find the informations about inverted Vee wire beams.

If you can not find the book, I can send you via email some photos of the respective chapters.

73 de Gabriel,
yo3cen

--- In ham-antennas@yahoogroups.com, "wb4mnk@..." <wb4mnk@...> wrote:
>
> I was wondering if anyone has any information on dimensions in feet and inches for this antenna. The apex will be at 20 feet on two push up poles. The operating frequency of 14.060 mhz will be used. I can find info on a horisonal elements but not on the wire elements angled down at 90 degrees like an inverted vee.
>
> Also any info on spacing of elements would be great.
>
> 73,
> Art
> WB4MNK
>

19624. Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 13:35:11 UTC
From: radiotech750
Topic: 19624 Message: 19624

I hope the members of the group can help. I have a noise problem. Let me give some background on this. I always had some low level noise in my receivers (SWL). About a week ago the noise level went up to high levels that some station became buried in it! The antennas are a 200ft long wire and a 50 foot slinky Antennas are grounded and so are the radio into a common ground to an 8ft copper rod. I thought it might be line noise but radios get the same noise on batteries. I unhooked the antennas and tried the radios on their whip but that had no effect.
Any help will be appreciated

Ernie
Kc8yoq

19625. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 13:42:14 UTC
From: Dan Schaaf
Topic: 19624 Message: 19625

Maybe it is line noise on the AC mains running down the street. Sometimes transformers on the power lines get noisy after heavy rains.
Maybe a neighbor has a noisy A/C unit that is radiating.
Maybe a neighbor has a Plasma TV. These radiate noise.
It could be any number of things.
You might have to get yourself a portable radio and walk/drive the roads looking for a peak in the noise to find it's source.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: radiotech750
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 9:35 AM
Subject: [ham-antennas] Noise!

I hope the members of the group can help. I have a noise problem. Let me give some background on this. I always had some low level noise in my receivers (SWL). About a week ago the noise level went up to high levels that some station became buried in it! The antennas are a 200ft long wire and a 50 foot slinky Antennas are grounded and so are the radio into a common ground to an 8ft copper rod. I thought it might be line noise but radios get the same noise on batteries. I unhooked the antennas and tried the radios on their whip but that had no effect.
Any help will be appreciated

Ernie
Kc8yoq

[Non-text portions of this message have been removed]

19626. Re: Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 13:58:06 UTC
From: kd8bbk@aol.com
Topic: 19624 Message: 19626

Well I would say the first thing is to make sure it is not coming from in the house. Shut off your main power at your service panel so there is nothing in the house on. If you still have the noise than it is time to go out side sniffing to see what you can find.
Tony kd8bbk

[Non-text portions of this message have been removed]

19627. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 14:05:44 UTC
From: John KR8ZY
Topic: 19624 Message: 19627

I had a similar problem and that's exactly what me and few ham buddies did. The problem was noticeable over a 5 mile radius. Called the power company, they came out and found a branch had fallen on the power lines and it was right next to the transformer causing the noise. Branch came down and the noise went away. Good luck!

73

John Herman
KR8ZY

Thumb Amateur Radio Club (www.w8ax.org)
Western Tidewater Radio Association (www.wt4ra.org)
Franklin Amateur Radio Club
ARRL
OMISS (www.omiss.net) #7273
SKCC (http://www.skccgroup.com/) #7914
NAQCC (http://naqcc.info/) #5514
FISTS (http://www.fists.org)#15448

_____
From: Dan Schaaf <dan-schaaf@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 5, 2011 9:42 AM
Subject: Re: [ham-antennas] Noise!

Maybe it is line noise on the AC mains running down the street. Sometimes transformers on the power lines get noisy after heavy rains.
Maybe a neighbor has a noisy A/C unit that is radiating.
Maybe a neighbor has a Plasma TV. These radiate noise.
It could be any number of things.
You might have to get yourself a portable radio and walk/drive the roads looking for a peak in the noise to find it's source.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: radiotech750
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 9:35 AM
Subject: [ham-antennas] Noise!

I hope the members of the group can help. I have a noise problem. Let me give some background on this. I always had some low level noise in my receivers (SWL). About a week

ago the noise level went up to high levels that some station became buried in it! The antennas are a 200ft long wire and a 50 foot slinky Antennas are grounded and so are the radio into a common ground to an 8ft copper rod. I thought it might be line noise but radios get the same noise on batteries. I unhooked the antennas and tried the radios on their whip but that had no effect.
Any help will be appreciated

Ernie
Kc8yoq

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19628. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 14:13:13 UTC
From: Dan Schaaf
Topic: 19624 Message: 19628

Power lines are great transmit antennas for noise. Long and the gridwork of them makes it hard to narrow the source.
Perhaps someday I will find a way to couple 160 meter signals to/from the power lines to work 160 DX HiHi

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: John KR8ZY
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 10:05 AM
Subject: Re: [ham-antennas] Noise!

I had a similar problem and that's exactly what me and few ham buddies did. The problem was noticeable over a 5 mile radius. Called the power company, they came out and found a branch had fallen on the power lines and it was right next to the transformer causing the noise. Branch came down and the noise went away. Good luck!

73

John Herman
KR8ZY

Thumb Amateur Radio Club (www.w8ax.org)
Western Tidewater Radio Association (www.wt4ra.org)
Franklin Amateur Radio Club
ARRL
OMISS (www.omiss.net) #7273
SKCC (http://www.skccgroup.com/) #7914
NAQCC (http://naqcc.info/) #5514
FISTS (http://www.fists.org)#15448

From: Dan Schaaf <dan-schaaf@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 5, 2011 9:42 AM
Subject: Re: [ham-antennas] Noise!

Maybe it is line noise on the AC mains running down the street. Sometimes transformers on the power lines get noisy after heavy rains.
Maybe a neighbor has a noisy A/C unit that is radiating.
Maybe a neighbor has a Plasma TV. These radiate noise.
It could be any number of things.

You might have to get yourself a portable radio and walk/drive the roads looking for a peak in the noise to find it's source.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: radiotech750
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 9:35 AM
Subject: [ham-antennas] Noise!

I hope the members of the group can help. I have a noise problem. Let me give some background on this. I always had some low level noise in my receivers (SWL). About a week ago the noise level went up to high levels that some station became buried in it! The antennas are a 200ft long wire and a 50 foot slinky Antennas are grounded and so are the radio into a common ground to an 8ft copper rod. I thought it might be line noise but radios get the same noise on batteries. I unhooked the antennas and tried the radios on their whip but that had no effect.
Any help will be appreciated

Ernie
Kc8yoq

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19629. AW: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 14:16:34 UTC
From: Siegfried Jackstien
Topic: 19624 Message: 19629

Any new devices in the shack or house?
My girlies mobile phone charger is a very noisy one ... so if I am on the radio I have her strikly forbidden to charge the phone :-)
It can be a sat receiver or something from pc or phone (your dsl router?)...
any switching power supply (printer of pc etc ... can be the same but in a neighbour house down the street...
A tv set from a neighbour
A motor with bad brushes ...
Take a portable radio and walk around in your area ... maybe you find the source ... good luck
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von radiotech750
> Gesendet: Montag, 5. September 2011 13:35
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Noise!
>
>
>
> I hope the members of the group can help. I have a noise problem. Let me
> give some background on this. I always had some low level noise in my
> receivers (SWL). About a week ago the noise level went up to high levels
> that some station became buried in it! The antennas are a 200ft long wire
> and a 50 foot slinky Antennas are grounded and so are the radio into a
> common ground to an 8ft copper rod. I thought it might be line noise but
> radios get the same noise on batteries. I unhooked the antennas and tried
> the radios on their whip but that had no effect.
> Any help will be appreciated
>
> Ernie
> Kc8yoq
>
>
>
>

19630. AW: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 14:19:06 UTC
From: Siegfried Jackstien
Topic: 19624 Message: 19630

A way to couple to it??? A capacitor that can stand the voltage on the line
... and that has enough capacitance to couple your 160m signal ... and not
so much capacitance that it couples the ac voltage ...
But be aware of the danger
Power lines are supposed to kill people
(don□t try this at home)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dan Schaaf
> Gesendet: Montag, 5. September 2011 14:13
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Noise!
>
>
>
> Power lines are great transmit antennas for noise. Long and the gridwork
> of them makes it hard to narrow the source.
> Perhaps someday I will find a way to couple 160 meter signals to/from the
> power lines to work 160 DX HiHi
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
>
> ----- Original Message -----
> From: John KR8ZY
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Monday, September 05, 2011 10:05 AM
> Subject: Re: [ham-antennas] Noise!
>
> I had a similar problem and that's exactly what me and few ham buddies
> did. The problem was noticeable over a 5 mile radius. Called the power
> company, they came out and found a branch had fallen on the power lines
> and it was right next to the transformer causing the noise. Branch came
> down and the noise went away. Good luck!
>
> 73
>
> John Herman
> KR8ZY

>
> Thumb Amateur Radio Club (www.w8ax.org)
> Western Tidewater Radio Association (www.wt4ra.org)
> Franklin Amateur Radio Club
> ARRL
> OMISS (www.omiss.net) #7273
> SKCC (http://www.skccgroup.com/) #7914
> NAQCC (http://naqcc.info/) #5514
> FISTS (http://www.fists.org)#15448
>
> _____
> From: Dan Schaaf <dan-schaaf@... <mailto:dan-schaaf%40att.net> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Monday, September 5, 2011 9:42 AM
> Subject: Re: [ham-antennas] Noise!
>
> Maybe it is line noise on the AC mains running down the street. Sometimes
> transformers on the power lines get noisy after heavy rains.
> Maybe a neighbor has a noisy A/C unit that is radiating.
> Maybe a neighbor has a Plasma TV. These radiate noise.
> It could be any number of things.
> You might have to get yourself a portable radio and walk/drive the roads
> looking for a peak in the noise to find it's source.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
>
> ----- Original Message -----
> From: radiotech750
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Monday, September 05, 2011 9:35 AM
> Subject: [ham-antennas] Noise!
>
> I hope the members of the group can help. I have a noise problem. Let me
> give some background on this. I always had some low level noise in my
> receivers (SWL). About a week ago the noise level went up to high levels
> that some station became buried in it! The antennas are a 200ft long wire
> and a 50 foot slinky Antennas are grounded and so are the radio into a
> common ground to an 8ft copper rod. I thought it might be line noise but
> radios get the same noise on batteries. I unhooked the antennas and tried
> the radios on their whip but that had no effect.
> Any help will be appreciated
>
> Ernie
> Kc8yoq
>
> [Non-text portions of this message have been removed]

>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

19631. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 14:34:20 UTC
From: Ernie Rice
Topic: 19624 Message: 19631

thanks! i am going to call tomorrow and have them come out and see what they can do for me! i am also going to try some RF snooping arnound the area and see if i can track it down!

Ernie

On Mon, Sep 5, 2011 at 7:05 AM, John KR8ZY <kj4zfe@...> wrote:

> **
>
>
> I had a similar problem and that's exactly what me and few ham buddies
> did. The problem was noticeable over a 5 mile radius. Called the power
> company, they came out and found a branch had fallen on the power lines and
> it was right next to the transformer causing the noise. Branch came down
> and the noise went away. Good luck!
>
>
> 73
>
> John Herman
> KR8ZY
>
> Thumb Amateur Radio Club (www.w8ax.org)
> Western Tidewater Radio Association (www.wt4ra.org)
> Franklin Amateur Radio Club
> ARRL
> OMISS (www.omiss.net) #7273
> SKCC (http://www.skccgroup.com/) #7914
> NAQCC (http://naqcc.info/) #5514
> FISTS (http://www.fists.org)#15448
>
> _____
> From: Dan Schaaf <dan-schaaf@...>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 5, 2011 9:42 AM
> Subject: Re: [ham-antennas] Noise!
>
>
> Maybe it is line noise on the AC mains running down the street. Sometimes
> transformers on the power lines get noisy after heavy rains.
> Maybe a neighbor has a noisy A/C unit that is radiating.
> Maybe a neighbor has a Plasma TV. These radiate noise.
> It could be any number of things.
> You might have to get yourself a portable radio and walk/drive the roads
> looking for a peak in the noise to find it's source.

>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
>
> ----- Original Message -----
> From: radiotech750
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 05, 2011 9:35 AM
> Subject: [ham-antennas] Noise!
>
> I hope the members of the group can help. I have a noise problem. Let me
> give some background on this. I always had some low level noise in my
> receivers (SWL). About a week ago the noise level went up to high levels
> that some station became buried in it! The antennas are a 200ft long wire
> and a 50 foot slinky Antennas are grounded and so are the radio into a
> common ground to an 8ft copper rod. I thought it might be line noise but
> radios get the same noise on batteries. I unhooked the antennas and tried
> the radios on their whip but that had no effect.
> Any help will be appreciated
>
> Ernie
> Kc8yoq
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

19632. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 14:44:18 UTC
From: Dan Schaaf
Topic: 19624 Message: 19632

Ernie

I hope you have better success with your power company than I have with FPL here in FL.
All sniffing will happen faster if you can do it yourself and then call an Electric company out and show them where the problem is located.
They generally have bigger fish to fry than worrying about a ham operator.
Now, if you run an EMCOMM station, you might tell them so and maybe they will be more responsive.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: "Ernie Rice" <ranger2995@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, September 05, 2011 10:34 AM
Subject: Re: [ham-antennas] Noise!

> thanks! i am going to call tomorrow and have them come out and see what
> they
> can do for me! i am also going to try some RF snooping arnound the area
> and
> see if i can track it down!
>
> Ernie
>
> On Mon, Sep 5, 2011 at 7:05 AM, John KR8ZY <kj4zfe@...> wrote:
>
>> **
>>
>>
>> I had a similar problem and that's exactly what me and few ham buddies
>> did. The problem was noticeable over a 5 mile radius. Called the power
>> company, they came out and found a branch had fallen on the power lines
>> and
>> it was right next to the transformer causing the noise. Branch came down
>> and the noise went away. Good luck!
>>
>>
>> 73

>>
>> John Herman
>> KR8ZY
>>
>> Thumb Amateur Radio Club (www.w8ax.org)
>> Western Tidewater Radio Association (www.wt4ra.org)
>> Franklin Amateur Radio Club
>> ARRL
>> OMISS (www.omiss.net) #7273
>> SKCC (http://www.skccgroup.com/) #7914
>> NAQCC (http://naqcc.info/) #5514
>> FISTS (http://www.fists.org)#15448
>>
>> _____
>> From: Dan Schaaf <dan-schaaf@...>
>> To: ham-antennas@yahoogroups.com
>> Sent: Monday, September 5, 2011 9:42 AM
>> Subject: Re: [ham-antennas] Noise!
>>
>>
>> Maybe it is line noise on the AC mains running down the street. Sometimes
>> transformers on the power lines get noisy after heavy rains.
>> Maybe a neighbor has a noisy A/C unit that is radiating.
>> Maybe a neighbor has a Plasma TV. These radiate noise.
>> It could be any number of things.
>> You might have to get yourself a portable radio and walk/drive the roads
>> looking for a peak in the noise to find it's source.
>>
>> Best Regards
>> Dan Schaaf
>> K3ZXL www.k3zxl.com
>> NOBSKA www.nobska.net
>> Cape Cod Instruments www.gnm-inc.com
>>
>> ----- Original Message -----
>> From: radiotech750
>> To: ham-antennas@yahoogroups.com
>> Sent: Monday, September 05, 2011 9:35 AM
>> Subject: [ham-antennas] Noise!
>>
>> I hope the members of the group can help. I have a noise problem. Let me
>> give some background on this. I always had some low level noise in my
>> receivers (SWL). About a week ago the noise level went up to high levels
>> that some station became buried in it! The antennas are a 200ft long wire
>> and a 50 foot slinky Antennas are grounded and so are the radio into a
>> common ground to an 8ft copper rod. I thought it might be line noise but
>> radios get the same noise on batteries. I unhooked the antennas and tried
>> the radios on their whip but that had no effect.
>> Any help will be appreciated
>>

>> Ernie
>> Kc8yoq
>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>
>
> --
> Remember that when you think you have it all figured out... you wake up to
> start all over again!
> Trust yourself and MOST times you will not be disappointed
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19633. Re: [ham-antennas] Re: Inverted Vee 3 element Wire Beam for 20 meters qrp

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 14:49:14 UTC
From: dean
Topic: 19602 Message: 19633

This web site has the dimensions of an inverted V. There is a small program you can download that works very well.

http://www.hamuniverse.com/dipivcal.html

WY6L

From: amicom_ro
Sent: Monday, September 05, 2011 6:27 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Inverted Vee 3 element Wire Beam for 20 meters qrp

Look in the book: "73 Vertical, Beam and Triangle Antennas" by Edward M. Noll, W3FQJ, fourth printing - 1976, publishing house: Editors and Engineers.

In chapters 43, 44, 45 and 46 you'll find the informations about inverted Vee wire beams.

If you can not find the book, I can send you via email some photos of the respective chapters.

73 de Gabriel,
yo3cen

--- In mailto:ham-antennas%40yahoogroups.com, "wb4mnk@..." <wb4mnk@...> wrote:
>
> I was wondering if anyone has any information on dimensions in feet and inches for this antenna. The apex will be at 20 feet on two push up poles. The operating frequency of 14.060 mhz will be used. I can find info on a horisonal elements but not on the wire elements angled down at 90 degrees like an inverted vee.
>
> Also any info on spacing of elements would be great.
>
> 73,
> Art
> WB4MNK
>

[Non-text portions of this message have been removed]

19634. OCFD diople question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 15:00:22 UTC
From: Chris Baker
Topic: 19634 Message: 19634

Great site Jo,
went deeper and will re-read on Smiths charts, been around 30 years since I used these in anger!!!

Thanks

Chris Baker B.A. Sunny Morecambe, the gateway to the LakesARS: G4LDSWAB:SD 46LOC: IO84 NBG-QRP: 6884IOTA: EU005The SANDS Contest group : G1T
G4LDS@...

[Non-text portions of this message have been removed]

19635. Re: Inverted Vee 3 element Wire Beam for 20 meters qrp

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 15:12:43 UTC
From: wb4mnk@bellsouth.net
Topic: 19602 Message: 19635

Hi Gabriel,

If you can send via e-mail pictures and deminations that would be great. Please send to wb4mnk@...

Thanks Gabriel.

73,
Art
WB4MNK

--- In ham-antennas@yahoogroups.com, "amicom_ro" <amicom_ro@...> wrote:
>
>
>
>
> Look in the book: "73 Vertical, Beam and Triangle Antennas" by Edward M. Noll, W3FQJ, fourth printing - 1976, publishing house: Editors and Engineers.
>
> In chapters 43, 44, 45 and 46 you'll find the informations about inverted Vee wire beams.
>
> If you can not find the book, I can send you via email some photos of the respective chapters.
>
> 73 de Gabriel,
> yo3cen
>
>
>
> --- In ham-antennas@yahoogroups.com, "wb4mnk@" <wb4mnk@> wrote:
> >
> > I was wondering if anyone has any information on dimensions in feet and inches for this antenna. The apex will be at 20 feet on two push up poles. The operating frequency of 14.060 mhz will be used. I can find info on a horisonal elements but not on the wire elements angled down at 90 degrees like an inverted vee.
> >
> > Also any info on spacing of elements would be great.
> >
> > 73,
> > Art
> > WB4MNK
> >
>

19636. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 16:20:41 UTC
From: Ron Youvan
Topic: 19624 Message: 19636

Ernie Kc8yoq radiotech750 wrote:

> I hope the members of the group can help. I have a noise problem. Let me give some background on
> this. I always had some low level noise in my receivers (SWL). About a week ago the noise level went
> up to high levels that some station became buried in it! The antennas are a 200ft long wire and a 50
> foot slinky Antennas are grounded and so are the radio into a common ground to an 8ft copper rod. I
> thought it might be line noise but radios get the same noise on batteries. I unhooked the antennas
> and tried the radios on their whip but that had no effect.

You don't say what the noise sounds like, it's period or duration.
Several sources of radio frequency noise include:
Cracked (damaged) power line insulators.
Electrical and electronic equipment. (TV receivers, transmitters, chain saws and such)
Electronic lighting equipment. (especially curly fluorescent lamps)
Rubber belt driven equipment.
Our sun and Earth's surface weather.

Many times such noises can be found by turning off everything electrical in your house.
If it's not in your house you can frequently locate it by tuning between radio stations on an AM
radio, (hand held or in a car - between .54 and 1.7 MHz) tune for the most noise and go from your
place up and down the street or road that you are on, around the block around several blocks.
Many forms of noise travel on the power lines or on the power line ground wire and repeat giving you
maximums and minimums repeated many times up and down the street.
To pinpoint many noise generators you must point the ferrite-loop in a portable radio at suspicious
areas, such as possible insulators or frayed wires. (causing corona) When the center of the ferrite
rod is pointed directly at the noise source the audible noise will null. You are the detective!
If that fails a 300 MHz AM receiver with a directional antenna may be needed.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19637. Re: I can not seem to unsubscribe.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 16:22:31 UTC
From: Ed C
Topic: 19608 Message: 19637

Have you sent an email to:

ham-antennas-unsubscribe@yahoogroups.com

With subject unsubscribe and text of unsubscribe? MAKE SURE it is from the SAME email/isp you signed up from. Say at work instead of home, etc.

I had that problem with a list that was very infrequent when an isp changed names and the list 'exploded' message wise. Finally got a totally different isp and that killed it as far as I was concerned. They 'forwarded' the emails for 2 years after the change over in isp names.

--- In ham-antennas@yahoogroups.com, "mondoray" <mondoray@...> wrote:
>
> Unsubscribe.
> Sorry for having to post this message but at the bottom of each e-mail from the group I hit "Unsubscribe" but the mail just keeps coming.
>

19638. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 16:34:15 UTC
From: John P.
Topic: 19624 Message: 19638

Hi,

  Do not forget to add to your list of noise contributors such things as: wireless routers, older type computer monitors, wall wart power supplies.

   My linksys wireless router's CPU will cause "blips" on 20 meters easily - about every 35 to 45 KHz.

John - WA2HIP
http://wa2hip.com

--- On Mon, 9/5/11, Ron Youvan <ka4inm@...> wrote:

From: Ron Youvan <ka4inm@...>
Subject: Re: [ham-antennas] Noise!
To: ham-antennas@yahoogroups.com
Date: Monday, September 5, 2011, 12:20 PM

Ernie Kc8yoq radiotech750 wrote:

> I hope the members of the group can help. I have a noise problem. Let me give some background on

> this. I always had some low level noise in my receivers (SWL). About a week ago the noise level went

> up to high levels that some station became buried in it! The antennas are a 200ft long wire and a 50

> foot slinky Antennas are grounded and so are the radio into a common ground to an 8ft copper rod. I

> thought it might be line noise but radios get the same noise on batteries. I unhooked the antennas

> and tried the radios on their whip but that had no effect.

You don't say what the noise sounds like, it's period or duration.

Several sources of radio frequency noise include:

Cracked (damaged) power line insulators.

Electrical and electronic equipment. (TV receivers, transmitters, chain saws and such)

Electronic lighting equipment. (especially curly fluorescent lamps)

Rubber belt driven equipment.

Our sun and Earth's surface weather.

Many times such noises can be found by turning off everything electrical in your house.

If it's not in your house you can frequently locate it by tuning between radio stations on an AM

radio, (hand held or in a car - between .54 and 1.7 MHz) tune for the most noise and go from your

place up and down the street or road that you are on, around the block around several blocks.

Many forms of noise travel on the power lines or on the power line ground wire and repeat giving you

maximums and minimums repeated many times up and down the street.

To pinpoint many noise generators you must point the ferrite-loop in a portable radio at suspicious

areas, such as possible insulators or frayed wires. (causing corona) When the center of the ferrite

rod is pointed directly at the noise source the audible noise will null. You are the detective!

If that fails a 300 MHz AM receiver with a directional antenna may be needed.

--

Ron KA4INM - Ifen my mother in law were to boil water

it would taste funny ... Earl Pitts 9-1-11

[Non-text portions of this message have been removed]

19639. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 17:04:23 UTC
From: John KR8ZY
Topic: 19624 Message: 19639

My recommendation is to try to find it as best as you can. When I called the power company, I guess I'm fortunate, they were very cooperative and listened to what I had to say but they did want to know if I had done any research myself, they also asked me to shut off all of the power to my house and run the radio on batter to see if that helped. Another thing I got lucky on is the power company has a ham work for them, and he was the one who came out and sniffed it out. Power line noise can travel a great distance and they do want to know that you've narrowed it down as best as they can.

He told me of one call he had on reported noise was narrowed down to a doorbell at another house.

73

John Herman
KR8ZY

Thumb Amateur Radio Club (www.w8ax.org)
Western Tidewater Radio Association (www.wt4ra.org)
Franklin Amateur Radio Club
ARRL
OMISS (www.omiss.net) #7273
SKCC (http://www.skccgroup.com/) #7914
NAQCC (http://naqcc.info/) #5514
FISTS (http://www.fists.org)#15448

From: Ernie Rice <ranger2995@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 5, 2011 10:34 AM
Subject: Re: [ham-antennas] Noise!

thanks! i am going to call tomorrow and have them come out and see what they can do for me! i am also going to try some RF snooping arnound the area and see if i can track it down!

Ernie

On Mon, Sep 5, 2011 at 7:05 AM, John KR8ZY <kj4zfe@yahoo.com> wrote:

> **
>
>
> I had a similar problem and that's exactly what me and few ham buddies
> did. The problem was noticeable over a 5 mile radius. Called the power
> company, they came out and found a branch had fallen on the power lines and
> it was right next to the transformer causing the noise. Branch came down
> and the noise went away. Good luck!

>
>
> 73
>
> John Herman
> KR8ZY
>
> Thumb Amateur Radio Club (www.w8ax.org)
> Western Tidewater Radio Association (www.wt4ra.org)
> Franklin Amateur Radio Club
> ARRL
> OMISS (www.omiss.net) #7273
> SKCC (http://www.skccgroup.com/) #7914
> NAQCC (http://naqcc.info/) #5514
> FISTS (http://www.fists.org)#15448
>
> _____
> From: Dan Schaaf <dan-schaaf@...>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 5, 2011 9:42 AM
> Subject: Re: [ham-antennas] Noise!
>
>
> Maybe it is line noise on the AC mains running down the street. Sometimes
> transformers on the power lines get noisy after heavy rains.
> Maybe a neighbor has a noisy A/C unit that is radiating.
> Maybe a neighbor has a Plasma TV. These radiate noise.
> It could be any number of things.
> You might have to get yourself a portable radio and walk/drive the roads
> looking for a peak in the noise to find it's source.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
>
> ----- Original Message -----
> From: radiotech750
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 05, 2011 9:35 AM
> Subject: [ham-antennas] Noise!
>
> I hope the members of the group can help. I have a noise problem. Let me
> give some background on this. I always had some low level noise in my
> receivers (SWL). About a week ago the noise level went up to high levels
> that some station became buried in it! The antennas are a 200ft long wire
> and a 50 foot slinky Antennas are grounded and so are the radio into a
> common ground to an 8ft copper rod. I thought it might be line noise but
> radios get the same noise on batteries. I unhooked the antennas and tried

> the radios on their whip but that had no effect.
> Any help will be appreciated
>
> Ernie
> Kc8yoq
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@...m
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

19640. Re: Inverted Vee 3 element Wire Beam for 20 meters qrp

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 17:28:07 UTC
From: kd8dvy@ymail.com
Topic: 19602 Message: 19640

Art,

After doing research and reading my antenna books this is what I have come up with as far as dimensions and lengths, your horizontal section will be your 20M dipole section 33.5' long, your middle element will be 33.5' long (overall), your first element will be 30' long (overall), your third element will be 40' long (overall).

```
/\-----/\-----/\
30' 33.5 40'
<------33.5----->
```

I am not sure if two coax feed points at the middle is what is required or if ladderline will work. Me I believe ladder line will work the best. all I can say is try this and analyze and see what you get.

Harold/KD8DVY

--- In ham-antennas@yahoogroups.com, "wb4mnk@..." <wb4mnk@...> wrote:
>
> I was wondering if anyone has any information on dimensions in feet and inches for this antenna. The apex will be at 20 feet on two push up poles. The operating frequency of 14.060 mhz will be used. I can find info on a horisonal elements but not on the wire elements angled down at 90 degrees like an inverted vee.
>
> Also any info on spacing of elements would be great.
>
> 73,
> Art
> WB4MNK
>

19641. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 17:29:55 UTC
From: Stan Labinsky Jr.
Topic: 19624 Message: 19641

Another tool is a handheld scanner, connected to a small (three or 4 element) VHF beam. Tune the scanner to the top of the aircraft band, appx. 134 MHz so it'll be receiving in AM and aim the beam at suspected noise sources. Just have to make sure that the antenna still has a usable pattern, since it is designed for 146MHz. and may show an odd pattern at 134MHz.

Between that and the AM portable you should be able to track down the source.

Also, read up on "triangulation", a method of localizing a source from a distance. Sometimes necessary if the field of noise is too big to pin down.

Good hunting. and, by all means, make sure that your own house is clean.

Stan

----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 12:20 PM
Subject: Re: [ham-antennas] Noise!

Ernie Kc8yoq radiotech750 wrote:

> I hope the members of the group can help. I have a noise problem. Let me give some background on
> this. I always had some low level noise in my receivers (SWL). About a week ago the noise level went
> up to high levels that some station became buried in it! The antennas are a 200ft long wire and a 50
> foot slinky Antennas are grounded and so are the radio into a common ground to an 8ft copper rod. I
> thought it might be line noise but radios get the same noise on batteries. I unhooked the antennas
> and tried the radios on their whip but that had no effect.

You don't say what the noise sounds like, it's period or duration.
Several sources of radio frequency noise include:
Cracked (damaged) power line insulators.
Electrical and electronic equipment. (TV receivers, transmitters, chain saws and such)
Electronic lighting equipment. (especially curly fluorescent lamps)
Rubber belt driven equipment.
Our sun and Earth's surface weather.

Many times such noises can be found by turning off everything electrical in your house. If it's not in your house you can frequently locate it by tuning between radio stations on an AM
radio, (hand held or in a car - between .54 and 1.7 MHz) tune for the most noise and go

from your
place up and down the street or road that you are on, around the block around several blocks.
Many forms of noise travel on the power lines or on the power line ground wire and repeat giving you
maximums and minimums repeated many times up and down the street.
To pinpoint many noise generators you must point the ferrite-loop in a portable radio at suspicious
areas, such as possible insulators or frayed wires. (causing corona) When the center of the ferrite
rod is pointed directly at the noise source the audible noise will null. You are the detective!
If that fails a 300 MHz AM receiver with a directional antenna may be needed.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

[Non-text portions of this message have been removed]

19642. Open Sleeve Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 17:51:46 UTC
From: tomcromack@btinternet.com
Topic: 19642 Message: 19642

Hi
Have been reading ARRL Antenna Hanbook. Interested in the section on Open Sleeve Antennas. Understand theory but looking for specific designs; using a google search was not helpful.

Can anybody point me in the direction of specific open sleve anntena designs, I am particularly looking for a WARC bands antenna, pefererably a vertical.

Many thanks.

Tom GM0FGI

19643. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 18:02:21 UTC
From: Sebastian, W4AS
Topic: 19624 Message: 19643

That last part really should be where you start. Many hams believe they have a 'clean QTH', they can't possibly be their own source of noise.

I was one of those. I had been plagued by severe noise starting at 40 meters, worse at 80 meters, and 160 meters was completely unusable. I had 20-30 over S9 of noise on 160m, and at least S9 day and night on 40/80.

I contacted the power company, and they found a few trouble spots and repaired them...I still had noise; a bit less on the other bands, but no change on those I noted.

So with my son's help, we tripped all the breakers in the house, with the exception of the ham shack, and I stayed at the shack to monitor. What a miracle - the noise was gone! As he turned back on each breaker one by one, we found which one was causing the noise. It was in our spare bedroom - at the extreme opposite end of the house. Next, he unplugged everything one by one in that room, until I told him which one made the noise stop.

My wife's desktop PC was found to be the culprit. We brought the PC to the ham shack, and the instant I turned it on, the HF bands were full of noise. The fix was easy, I started with the obvious - the power supply. As soon as I replaced it, the PC was back in service, and my noise was gone. If I had a 160 meter antenna, I could actually use that band!

Afterwards, I shut off all the breakers, including the ham shack, and listened to my HF rig with a UPS battery (not with the UPS - just the battery). Scanning the bands with the shack's breaker on, and with it off, showed no change - so I was lucky there.

I'm still plagued with noise though, depending on where I aim my beam, and if it has been raining or not. It drives me nuts that my mobile rig just 5 feet away from my shack rarely has any noise. I've tried different rigs on different antennas, so the problem isn't there. I still have more work to do in searching for noise.

73 de Sebastian, W4AS

On Sep 5, 2011, at 1:29 PM, Stan Labinsky Jr. wrote:

> Good hunting. and, by all means, make sure that your own house is clean.
>
> Stan
>
>

19644. RE: [ham-antennas] OCFD diople question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 18:03:58 UTC
From: jo barden
Topic: 19634 Message: 19644

Hi Chris

Thank Mr Google! it just showed the graph I was looking for, but saying that it is a good source of information. I must admit that my forced inactivity work wise has got me into the theory more as it keeps the grey cells going. Still learning this end but truth be told I am much better at power factor correction or compliance with the IEE regs than some of the complex stuff.

Hope to catch you on the bands

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: honywood@...
Date: Mon, 5 Sep 2011 16:00:22 +0100
Subject: [ham-antennas] OCFD diople question

Great site Jo,

went deeper and will re-read on Smiths charts, been around 30 years since I used these in anger!!!

Thanks

Chris Baker B.A. Sunny Morecambe, the gateway to the LakesARS: G4LDSWAB:SD 46LOC: IO84 NBG-QRP: 6884IOTA: EU005The SANDS Contest group : G1T

G4LDS@...

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19645. I think I found the Noise maker (Noise)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 19:04:20 UTC
From: radiotech750
Topic: 19645 Message: 19645

Well I have done some snooping an believe I have found the problem. I took my DX 392 shortwave out side and walked around my house. 10 feet from my house the noise was almost gone! I walked slowly back to the house where to TV cable service comes in and what do you think i found(heard)? Well the noise level there was so high that I couldn't hear the local AM radio station!
I am going to give them a call NOW to see if I can get them to come out to FIX it!

Ernie

19646. Re: [ham-antennas] Re: Inverted Vee 3 element Wire Beam for 20 meters qrp

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 19:07:08 UTC
From: Ron Youvan
Topic: 19602 Message: 19646

Art kd8dvy@... wrote:

> After doing research and reading my antenna books this is what I have come up with as far as
> dimensions and lengths, your horizontal section will be your 20M dipole section 33.5' long, your
> middle element will be 33.5' long (overall), your first element will be 30' long (overall), your
> third element will be 40' long (overall).

I'm not a beam expert, but my books say the close presence of the other two elements lower the
impedance of the driven element from 73 Ohms to sometimes as low at 9 Ohms, this is why gamma, delta
matches and step down balun transformers are used to match it.

The element dimensions may be altered by the spacing between elements and whether the elements
are connected to the boom or insulated.

The gain of the beam is strongly altered by the length of the boom, but if you just extend the
boom and move the two end elements out to the ends the gain goes up just as if you had added
elements to make a three element beam into a five element beam.

Beam gain and front to back ratio seem to be apposing goals, increasing one always seem to reduce
the other. Both are equally important.

A two element Moxon beam has the gain of a three element conventional beam and probably better
back ratio. Just trickier to support.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19647. Re: [ham-antennas] I think I found the Noise maker (Noise)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 19:26:19 UTC
From: Ron Youvan
Topic: 19645 Message: 19647

Ernie radiotech750 wrote:

> Well I have done some snooping an believe I have found the problem. I took my DX 392 shortwave out
> side and walked around my house. 10 feet from my house the noise was almost gone! I walked slowly
> back to the house where to TV cable service comes in and what do you think i found(heard)? Well the
> noise level there was so high that I couldn't hear the local AM radio station!
> I am going to give them a call NOW to see if I can get them to come out to FIX it!

Unfortunately any cable coming into the house, even grounded wires, can bring in noise from external sources, keep looking. Don't waste time waiting on anyone else.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19648. Re: [ham-antennas] I think I found the Noise maker (Noise)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 19:50:17 UTC
From: John KR8ZY
Topic: 19645 Message: 19648

I wouldn't be surprised if it wasn't grounded correctly.

73

John Herman
KR8ZY

Thumb Amateur Radio Club (www.w8ax.org)
Western Tidewater Radio Association (www.wt4ra.org)
Franklin Amateur Radio Club
ARRL
OMISS (www.omiss.net) #7273
SKCC (http://www.skccgroup.com/) #7914
NAQCC (http://naqcc.info/) #5514
FISTS (http://www.fists.org)#15448

From: radiotech750 <ranger2995@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 5, 2011 3:04 PM
Subject: [ham-antennas] I think I found the Noise maker (Noise)

Well I have done some snooping an believe I have found the problem. I took my DX 392 shortwave out side and walked around my house. 10 feet from my house the noise was almost gone! I walked slowly back to the house where to TV cable service comes in and what do you think i found(heard)? Well the noise level there was so high that I couldn't hear the local AM radio station!
I am going to give them a call NOW to see if I can get them to come out to FIX it!

Ernie

[Non-text portions of this message have been removed]

19649. Re: [ham-antennas] I think I found the Noise maker (Noise)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 20:27:58 UTC
From: Ernie Rice
Topic: 19645 Message: 19649

Yup My thoughts exactly! they are sending a tech here Wednesday ....wait
for it......between 4-6pm! I will let the list know how it turns out!

Ernie

On Mon, Sep 5, 2011 at 12:50 PM, John KR8ZY <kj4zfe@...> wrote:

> **
>
>
> I wouldn't be surprised if it wasn't grounded correctly.
>
>
> 73
>
> John Herman
> KR8ZY
>
> Thumb Amateur Radio Club (www.w8ax.org)
> Western Tidewater Radio Association (www.wt4ra.org)
> Franklin Amateur Radio Club
> ARRL
> OMISS (www.omiss.net) #7273
> SKCC (http://www.skccgroup.com/) #7914
> NAQCC (http://naqcc.info/) #5514
> FISTS (http://www.fists.org)#15448
>
> _____
> From: radiotech750 <ranger2995@gmail.com>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 5, 2011 3:04 PM
> Subject: [ham-antennas] I think I found the Noise maker (Noise)
>
>
> Well I have done some snooping an believe I have found the problem. I took
> my DX 392 shortwave out side and walked around my house. 10 feet from my
> house the noise was almost gone! I walked slowly back to the house where to
> TV cable service comes in and what do you think i found(heard)? Well the
> noise level there was so high that I couldn't hear the local AM radio
> station!
> I am going to give them a call NOW to see if I can get them to come out to
> FIX it!
>
> Ernie
>
> [Non-text portions of this message have been removed]

>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

19650. Re: [ham-antennas] I think I found the Noise maker (Noise)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 20:52:50 UTC
From: John KR8ZY
Topic: 19645 Message: 19650

You, being a ham, will know more about grounding than the tech possibly. So, watch closely and ask a lot of questions.

73

John Herman
KR8ZY

Thumb Amateur Radio Club (www.w8ax.org)
Western Tidewater Radio Association (www.wt4ra.org)
Franklin Amateur Radio Club
ARRL
OMISS (www.omiss.net) #7273
SKCC (http://www.skccgroup.com/) #7914
NAQCC (http://naqcc.info/) #5514
FISTS (http://www.fists.org)#15448

From: Ernie Rice <ranger2995@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 5, 2011 4:27 PM
Subject: Re: [ham-antennas] I think I found the Noise maker (Noise)

Yup My thoughts exactly! they are sending a tech here Wednesday .....wait for it.....between 4-6pm! I will let the list know how it turns out!

Ernie

On Mon, Sep 5, 2011 at 12:50 PM, John KR8ZY <kj4zfe@...> wrote:

> **
>
>
> I wouldn't be surprised if it wasn't grounded correctly.
>
>
>
> 73
>
> John Herman
> KR8ZY
>
> Thumb Amateur Radio Club (www.w8ax.org)
> Western Tidewater Radio Association (www.wt4ra.org)
> Franklin Amateur Radio Club
> ARRL
> OMISS (www.omiss.net) #7273
> SKCC (http://www.skccgroup.com/) #7914

> NAQCC (http://naqcc.info/) #5514
> FISTS (http://www.fists.org)#15448
>
> _____
> From: radiotech750 <ranger2995@...>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 5, 2011 3:04 PM
> Subject: [ham-antennas] I think I found the Noise maker (Noise)
>
>
> Well I have done some snooping an believe I have found the problem. I took
> my DX 392 shortwave out side and walked around my house. 10 feet from my
> house the noise was almost gone! I walked slowly back to the house where to
> TV cable service comes in and what do you think i found(heard)? Well the
> noise level there was so high that I couldn't hear the local AM radio
> station!
> I am going to give them a call NOW to see if I can get them to come out to
> FIX it!
>
> Ernie
>
> [Non-text portions of this message have been removed]
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

19651. Re: [ham-antennas] I think I found the Noise maker (Noise)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 22:36:09 UTC
From: Ernie Rice
Topic: 19645 Message: 19651

O you bet! BUT if I offer assistance they(the Techs) usually take offense!
it has happened to me before when I saw a cable tech doing something wrong
!!

Ernie

On Mon, Sep 5, 2011 at 1:52 PM, John KR8ZY <kj4zfe@...> wrote:

> **
>
>
> You, being a ham, will know more about grounding than the tech possibly.
> So, watch closely and ask a lot of questions.
>
>
>
> 73
>
> John Herman
> KR8ZY
>
> Thumb Amateur Radio Club (www.w8ax.org)
> Western Tidewater Radio Association (www.wt4ra.org)
> Franklin Amateur Radio Club
> ARRL
> OMISS (www.omiss.net) #7273
> SKCC (http://www.skccgroup.com/) #7914
> NAQCC (http://naqcc.info/) #5514
> FISTS (http://www.fists.org)#15448
>
> _____
> From: Ernie Rice <ranger2995@gmail.com>
>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 5, 2011 4:27 PM
> Subject: Re: [ham-antennas] I think I found the Noise maker (Noise)
>
>
>
> Yup My thoughts exactly! they are sending a tech here Wednesday ....wait
> for it......between 4-6pm! I will let the list know how it turns out!
>
> Ernie
>
> On Mon, Sep 5, 2011 at 12:50 PM, John KR8ZY <kj4zfe@yahoo.com> wrote:
>
> > **

> >
> >
> > I wouldn't be surprised if it wasn't grounded correctly.
> >
> >
> > 73
> >
> > John Herman
> > KR8ZY
> >
> > Thumb Amateur Radio Club (www.w8ax.org)
> > Western Tidewater Radio Association (www.wt4ra.org)
> > Franklin Amateur Radio Club
> > ARRL
> > OMISS (www.omiss.net) #7273
> > SKCC (http://www.skccgroup.com/) #7914
> > NAQCC (http://naqcc.info/) #5514
> > FISTS (http://www.fists.org)#15448
> >
> > _____
> > From: radiotech750 <ranger2995@...>
> > To: ham-antennas@yahoogroups.com
> > Sent: Monday, September 5, 2011 3:04 PM
> > Subject: [ham-antennas] I think I found the Noise maker (Noise)
> >
> >
> > Well I have done some snooping an believe I have found the problem. I
> took
> > my DX 392 shortwave out side and walked around my house. 10 feet from my
> > house the noise was almost gone! I walked slowly back to the house where
> to
> > TV cable service comes in and what do you think i found(heard)? Well the
> > noise level there was so high that I couldn't hear the local AM radio
> > station!
> > I am going to give them a call NOW to see if I can get them to come out
> to
> > FIX it!
> >
> > Ernie
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> --
> Remember that when you think you have it all figured out... you wake up to
> start all over again!
> Trust yourself and MOST times you will not be disappointed
>

> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
> [Non-text portions of this message have been removed]
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

19652. Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 22:53:59 UTC
From: w9nfl
Topic: 19652 Message: 19652

Hello,

I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've rechecked all my measurements and they seem correct. Even turned the traps around in case of them being labeled incorrectly.

Any help/comments are welcomed via this group or by my email.

Thanks, Keith W9NFL

19653. Re: [ham-antennas] I think I found the Noise maker (Noise)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-05 23:40:42 UTC
From: Stan Labinsky Jr.
Topic: 19645 Message: 19653

Y'might want to look at the cable co's ground connection at the base of the pole (if there is one). Mine was crappy and loose.

Stan

----- Original Message -----
From: John KR8ZY
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 3:50 PM
Subject: Re: [ham-antennas] I think I found the Noise maker (Noise)

I wouldn't be surprised if it wasn't grounded correctly.

73

John Herman
KR8ZY

Thumb Amateur Radio Club (www.w8ax.org)
Western Tidewater Radio Association (www.wt4ra.org)
Franklin Amateur Radio Club
ARRL
OMISS (www.omiss.net) #7273
SKCC (http://www.skccgroup.com/) #7914
NAQCC (http://naqcc.info/) #5514
FISTS (http://www.fists.org)#15448

From: radiotech750 <ranger2995@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 5, 2011 3:04 PM
Subject: [ham-antennas] I think I found the Noise maker (Noise)

Well I have done some snooping an believe I have found the problem. I took my DX 392 shortwave out side and walked around my house. 10 feet from my house the noise was almost gone! I walked slowly back to the house where to TV cable service comes in and what do you think i found(heard)? Well the noise level there was so high that I couldn't hear the local AM radio station!
I am going to give them a call NOW to see if I can get them to come out to FIX it!

Ernie

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19654. Re: [ham-antennas] Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 00:30:19 UTC
From: Ron Youvan
Topic: 19652 Message: 19654

Keith W9NFL wrote:

> I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've
> rechecked all my measurements and they seem correct. Even turned the traps around in case of them
> being labeled incorrectly.

> Any help/comments are welcomed via this group or by my email.

No but:
<<
In addition to my review of how to repair the trap shorting out problem a new problem came up.
I started getting momentary hi SWR reading all bands then yesterday they all went high very high.
It turns out that the matching network box opened up. The SO-239 female chassis connector takes
the cable shield side into the box via a bolt solder

lug washer and nut on the inside of the box. Corrosion of the solder lug caused the shield side
to open up. This could have been fixed with cleaning the solder lug which I did but I also soldered to the SS Steel bolt as well. Easy fix.

It might be worth some preventive maintenance on this if you have the antenna down.
>>

from: http://www.eham.net/reviews/detail/340%3Fehamsid%3D0bb4528d286446c68f02e9ec45f0b8e2

<<

Baluns if present are known to have short life amidst lighting and all. (beams in general)
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19655. Re: [ham-antennas] Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 00:33:01 UTC
From: Dan Schaaf
Topic: 19652 Message: 19655

How do you solder to Stainless Steel ?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 8:30 PM
Subject: Re: [ham-antennas] Cushcraft MA5B swr issues.

Keith W9NFL wrote:

> I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've
> rechecked all my measurements and they seem correct. Even turned the traps around in case of them
> being labeled incorrectly.

> Any help/comments are welcomed via this group or by my email.

No but:
<<
In addition to my review of how to repair the trap shorting out problem a new problem came up.
I started getting momentary hi SWR reading all bands then yesterday they all went high very high.
It turns out that the matching network box opened up. The SO-239 female chassis connector takes
the cable shield side into the box via a bolt solder

lug washer and nut on the inside of the box. Corrosion of the solder lug caused the shield side
to open up. This could have been fixed with cleaning the solder lug which I did but I also soldered to the SS Steel bolt as well. Easy fix.

It might be worth some preventive maintenance on this if you have the antenna down.
>>

from: http://www.eham.net/reviews/detail/340%3Fehamsid%3D0bb4528d286446c68f02e9ec45f0b8e2

<<

Baluns if present are known to have short life amidst lighting and all. (beams in general)
--

Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

[Non-text portions of this message have been removed]

19656. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 01:12:56 UTC
From: Larry Tooley
Topic: 19624 Message: 19656

I really wonder about all our new appliances as noise generators. They are electronic nightmares (marvels).
----- Original Message -----
From: Sebastian, W4AS
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 1:02 PM
Subject: Re: [ham-antennas] Noise!

That last part really should be where you start. Many hams believe they have a 'clean QTH', they can't possibly be their own source of noise.

I was one of those. I had been plagued by severe noise starting at 40 meters, worse at 80 meters, and 160 meters was completely unusable. I had 20-30 over S9 of noise on 160m, and at least S9 day and night on 40/80.

I contacted the power company, and they found a few trouble spots and repaired them...I still had noise; a bit less on the other bands, but no change on those I noted.

So with my son's help, we tripped all the breakers in the house, with the exception of the ham shack, and I stayed at the shack to monitor. What a miracle - the noise was gone! As he turned back on each breaker one by one, we found which one was causing the noise. It was in our spare bedroom - at the extreme opposite end of the house. Next, he unplugged everything one by one in that room, until I told him which one made the noise stop.

My wife's desktop PC was found to be the culprit. We brought the PC to the ham shack, and the instant I turned it on, the HF bands were full of noise. The fix was easy, I started with the obvious - the power supply. As soon as I replaced it, the PC was back in service, and my noise was gone. If I had a 160 meter antenna, I could actually use that band!

Afterwards, I shut off all the breakers, including the ham shack, and listened to my HF rig with a UPS battery (not with the UPS - just the battery). Scanning the bands with the shack's breaker on, and with it off, showed no change - so I was lucky there.

I'm still plagued with noise though, depending on where I aim my beam, and if it has been raining or not. It drives me nuts that my mobile rig just 5 feet away from my shack rarely has any noise. I've tried different rigs on different antennas, so the problem isn't there. I still have more work to do in searching for noise.

73 de Sebastian, W4AS

On Sep 5, 2011, at 1:29 PM, Stan Labinsky Jr. wrote:

> Good hunting. and, by all means, make sure that your own house is clean.
>
> Stan
>
>

[Non-text portions of this message have been removed]

19657. Re: [ham-antennas] Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 01:14:55 UTC
From: Stan Labinsky Jr.
Topic: 19652 Message: 19657

Fluoride flux, lots of heat and silver solder.

Stan

----- Original Message -----
From: Dan Schaaf
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 8:33 PM
Subject: Re: [ham-antennas] Cushcraft MA5B swr issues.

How do you solder to Stainless Steel ?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Monday, September 05, 2011 8:30 PM
Subject: Re: [ham-antennas] Cushcraft MA5B swr issues.

Keith W9NFL wrote:

> I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've
> rechecked all my measurements and they seem correct. Even turned the traps around in case of them
> being labeled incorrectly.

> Any help/comments are welcomed via this group or by my email.

No but:
<<
In addition to my review of how to repair the trap shorting out problem a new problem came up.
I started getting momentary hi SWR reading all bands then yesterday they all went high very high.
It turns out that the matching network box opened up. The SO-239 female chassis connector takes
the cable shield side into the box via a bolt solder

lug washer and nut on the inside of the box. Corrosion of the solder lug caused the shield side
to open up. This could have been fixed with cleaning the solder lug which I did but I also

soldered to the SS Steel bolt as well. Easy fix.

It might be worth some preventive maintenance on this if you have the antenna down.
>>

from: http://www.eham.net/reviews/detail/340%3Fehamsid%3D0bb4528d286446c68f02e9ec45f0b8e2

<<

Baluns if present are known to have short life amidst lighting and all. (beams in general)
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19658. Re: [ham-antennas] Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 01:36:49 UTC
From: Dale H. Cole K8TS
Topic: 19652 Message: 19658

Keith-

Let me know what you find out.....My MA5B is not preforming as I think it should. I have heard about a trap problem, but do not know any details

Dale K8TS

----- Original Message -----

From: "w9nfl" <w9nfl@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 5, 2011 6:53:59 PM
Subject: [ham-antennas] Cushcraft MA5B swr issues.

Hello,

I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've rechecked all my measurements and they seem correct. Even turned the traps around in case of them being labeled incorrectly.

Any help/comments are welcomed via this group or by my email.

Thanks, Keith W9NFL

[Non-text portions of this message have been removed]

19659. Re: Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 01:38:46 UTC
From: Larry KD8OUZ
Topic: 19652 Message: 19659

Dan,

Soldering stainless steel, using silver bearing solder (lead free solder, the type used now for soldering potable water supply copper pipe) and a special liquid flux for low temperature soldering of stainless steel, such as the type made under the "Stay Clean" brand, is just as easy as soldering copper with rosin type flux and convential solder. The special type flux is available at most hardware stores or welding supply shops. You can also solder copper to stainless at low temperatures. The trick is to use only low temperature, or controlled temperature, soldering irons. Using a torch is much too hot, and the joint will turn black and be a very poor electrical connection. As with all soldering, be sure not to inhale any of the fumes from this liquid flux. Any flux residue is easily cleaned off after the soldering is complete.

Larry KD8OUZ

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> How do you solder to Stainless Steel ?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
>
>
> ----- Original Message -----
> From: Ron Youvan
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 05, 2011 8:30 PM
> Subject: Re: [ham-antennas] Cushcraft MA5B swr issues.
>
>
>
> Keith W9NFL wrote:
>
> > I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've
> > rechecked all my measurements and they seem correct. Even turned the traps around in case of them
> > being labeled incorrectly.
>
> > Any help/comments are welcomed via this group or by my email.
>
> No but:
> <<

> In addition to my review of how to repair the trap shorting out problem a new problem came up.
> I started getting momentary hi SWR reading all bands then yesterday they all went high very high.
> It turns out that the matching network box opened up. The SO-239 female chassis connector takes
> the cable shield side into the box via a bolt solder
>
> lug washer and nut on the inside of the box. Corrosion of the solder lug caused the shield side
> to open up. This could have been fixed with cleaning the solder lug which I did but I also
> soldered to the SS Steel bolt as well. Easy fix.
>
> It might be worth some preventive maintenance on this if you have the antenna down.
> >>
>
> from:
http://www.eham.net/reviews/detail/340%3Fehamsid%3D0bb4528d286446c68f02e9ec45f0b8e2
>
> <<
>
> Baluns if present are known to have short life amidst lighting and all. (beams in general)
> --
> Ron KA4INM - Ifen my mother in law were to boil water
> it would taste funny ... Earl Pitts 9-1-11
>
>
>
>
> [Non-text portions of this message have been removed]
>

19660. RE: [ham-antennas] Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 02:52:45 UTC
From: Richard Schmuke
Topic: 19652 Message: 19660

Soldering to SS is as easy as soldering any other metal if you use the right flux. Right now I use Oatey Liquid flux , bought at my local Ace hardware store in a nice little 4 oz bottle. When I was working I used Ruby Fluid but not all stores carry Ruby brand. I have been soldering to SS on and off for 45 years.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dan Schaaf
Sent: Monday, September 05, 2011 7:33 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Cushcraft MA5B swr issues.

How do you solder to Stainless Steel ?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Monday, September 05, 2011 8:30 PM
Subject: Re: [ham-antennas] Cushcraft MA5B swr issues.

Keith W9NFL wrote:

> I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've
> rechecked all my measurements and they seem correct. Even turned the traps around in case of them
> being labeled incorrectly.

> Any help/comments are welcomed via this group or by my email.

No but:
<<
In addition to my review of how to repair the trap shorting out problem a new problem came up.
I started getting momentary hi SWR reading all bands then yesterday they all went high very high.
It turns out that the matching network box opened up. The SO-239 female chassis connector takes
the cable shield side into the box via a bolt solder

lug washer and nut on the inside of the box. Corrosion of the solder lug caused the shield side
to open up. This could have been fixed with cleaning the solder lug which I did but I also
soldered to the SS Steel bolt as well. Easy fix.

It might be worth some preventive maintenance on this if you have the antenna down.
>>

from:
http://www.eham.net/reviews/detail/340%3Fehamsid%3D0bb4528d286446c68f02e9ec45f0b8e2

<<

Baluns if present are known to have short life amidst lighting and all. (beams in general)
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19661. Re: [ham-antennas] Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 03:45:56 UTC
From: John P.
Topic: 19624 Message: 19661

I once had a brand new GE dishwasher that when operating generated an S-6 noise level on the ham bands.

It was horrid. I had a big fight with GE repair and warranty to get them to put the fixes in place. Finally got a repair person to come out and then instructed him how to minimize the problems. He was understanding and by him doing the work it did not void the warranty.

  Maybe we need to start a list of all items by manufacturer, model and noise level as well as resolution.

John - WA2HIP
http://wa2hip.com

--- On Mon, 9/5/11, Larry Tooley <wa9guu@...> wrote:

From: Larry Tooley <wa9guu@...>
Subject: Re: [ham-antennas] Noise!
To: ham-antennas@yahoogroups.com
Date: Monday, September 5, 2011, 9:12 PM

I really wonder about all our new appliances as noise generators. They are

electronic nightmares (marvels).

----- Original Message -----

From: Sebastian, W4AS

To: ham-antennas@yahoogroups.com

Sent: Monday, September 05, 2011 1:02 PM

Subject: Re: [ham-antennas] Noise!

That last part really should be where you start. Many hams believe they

have a 'clean QTH', they can't possibly be their own source of noise.

I was one of those. I had been plagued by severe noise starting at 40

meters, worse at 80 meters, and 160 meters was completely unusable. I had

20-30 over S9 of noise on 160m, and at least S9 day and night on 40/80.

I contacted the power company, and they found a few trouble spots and

repaired them...I still had noise; a bit less on the other bands, but no

change on those I noted.

So with my son's help, we tripped all the breakers in the house, with the exception of the ham shack, and I stayed at the shack to monitor. What a miracle - the noise was gone! As he turned back on each breaker one by one, we found which one was causing the noise. It was in our spare bedroom - at the extreme opposite end of the house. Next, he unplugged everything one by one in that room, until I told him which one made the noise stop.

My wife's desktop PC was found to be the culprit. We brought the PC to the ham shack, and the instant I turned it on, the HF bands were full of noise. The fix was easy, I started with the obvious - the power supply. As soon as I replaced it, the PC was back in service, and my noise was gone. If I had a 160 meter antenna, I could actually use that band!

Afterwards, I shut off all the breakers, including the ham shack, and listened to my HF rig with a UPS battery (not with the UPS - just the battery). Scanning the bands with the shack's breaker on, and with it off, showed no change - so I was lucky there.

I'm still plagued with noise though, depending on where I aim my beam, and if it has been raining or not. It drives me nuts that my mobile rig just 5 feet away from my shack rarely has any noise. I've tried different rigs on different antennas, so the problem isn't there. I still have more work to do in searching for noise.

73 de Sebastian, W4AS

On Sep 5, 2011, at 1:29 PM, Stan Labinsky Jr. wrote:

> Good hunting. and, by all means, make sure that your own house is clean.
>
> Stan
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19662. Solar flares

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 04:27:22 UTC
From: ke4vyn
Topic: 19662 Message: 19662

We always hear that solar flares are massive, but just how massive?
This will show you just what they mean!!

http://www.youtube.com/user/WorldScott#p/u/4/015cnqMt2i8

73,
Lee
KE4VYN
ARRL Official Observer
Century Club Master 58
OMISS 2705
www.qrz.com/db/ke4vyn

19663. Re: Noise!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 05:08:23 UTC
From: nu1oscar@aol.com
Topic: 19624 Message: 19663

The nulls off a ferrite antenna typically found in an AM radio are off the ends, not broadside as you claimed.

73

Chris/NU1O

[Non-text portions of this message have been removed]

19664. AW: [ham-antennas] Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 08:41:56 UTC
From: Siegfried Jackstien
Topic: 19652 Message: 19664

I do this with phosphoric acid
Works in seconds
Dg9bfc
Sigi
Ps watch my video soldering battery cells with that stuff
http://www.youtube.com/watch?v=NpT_5tN1zYA

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard Schmuke
> Gesendet: Dienstag, 6. September 2011 02:53
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Cushcraft MA5B swr issues.
>
>
>
> Soldering to SS is as easy as soldering any other metal if you use the
> right
> flux. Right now I use Oatey Liquid flux , bought at my local Ace hardware
> store in a nice little 4 oz bottle. When I was working I used Ruby Fluid
> but
> not all stores carry Ruby brand. I have been soldering to SS on and off
> for
> 45 years.
>
> Rich , Kd0zz
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>] On
> Behalf Of Dan Schaaf
> Sent: Monday, September 05, 2011 7:33 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Cushcraft MA5B swr issues.
>
> How do you solder to Stainless Steel ?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
>
> ----- Original Message -----
> From: Ron Youvan

> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> Sent: Monday, September 05, 2011 8:30 PM
> Subject: Re: [ham-antennas] Cushcraft MA5B swr issues.
>
> Keith W9NFL wrote:
>
> > I'm having swr problems with my MA5B and wonder if anyone has experience
> with this antenna. I've
> > rechecked all my measurements and they seem correct. Even turned the
> traps
> around in case of them
> > being labeled incorrectly.
>
> > Any help/comments are welcomed via this group or by my email.
>
> No but:
> <<
> In addition to my review of how to repair the trap shorting out problem a
> new problem came up.
> I started getting momentary hi SWR reading all bands then yesterday they
> all
> went high very high.
> It turns out that the matching network box opened up. The SO-239 female
> chassis connector takes
> the cable shield side into the box via a bolt solder
>
> lug washer and nut on the inside of the box. Corrosion of the solder lug
> caused the shield side
> to open up. This could have been fixed with cleaning the solder lug which
> I
> did but I also
> soldered to the SS Steel bolt as well. Easy fix.
>
> It might be worth some preventive maintenance on this if you have the
> antenna down.
> >>
>
> from:
> http://www.eham.net/reviews/detail/340%3Fehamsid%3D0bb4528d286446c68f02e9e
> c4
> 5f0b8e2
>
> <<
>
> Baluns if present are known to have short life amidst lighting and all.
> (beams in general)
> --
> Ron KA4INM - Ifen my mother in law were to boil water
> it would taste funny ... Earl Pitts 9-1-11

>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

19665. RE: [ham-antennas] Re: OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 13:58:13 UTC
From: jim burns
Topic: 15544 Message: 19665

Hi Jim !

What dimensions did you use?

TNX

Jim

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of odonjim
Sent: Friday, September 02, 2011 4:28 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: OCF Antenna Question

Tony,

The quality of the balun is the major cost driver and, of course, wire quality can also impact cost. The balun design/construction can have a impact on performance characteristics and the long term reliability of the antenna.

I built my own OCF cut for 80m and it has low SWR on 80-40-20-17-12-10-6, but worthless on 15m. SWR is under 2.2:1 everywhere on those bands - actually under 1.5:1 most places I operate, but I normally use a tuner anyway. My dual (4:1 impedance and 1:1 current since the OCF will tend to send RF back to the shack) balun was about $100 since I did not build it and I run up to 800W through it so bought a 2kW rated balun.

You can do a little research, but I've seen 4:1 recommended for installations less than 40' high and 6:1 for higher than 40' in order to properly match a 50 ohm feedline to the antenna impedance. Mine is pretty much flat top now at about 28', but I plan to raise the center another 5' or so.

73.....Jim KR9E

[Non-text portions of this message have been removed]

19666. Re: Inverted Vee 3 element Wire Beam for 20 meters qrp

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 14:19:30 UTC
From: Art
Topic: 19602 Message: 19666

Thank You Harold for this information.
I have received some great specs for this antenna and there are many different dimensions.
So now it is building time and then the real live test.

72/73,
Art WB4MNK
QRPARCI #14459 NAQCC #5274
SKCC #2180 PB #284 FP #2666
070 CLUB # 368 KX1 # 2466

[Non-text portions of this message have been removed]

19667. Re: [ham-antennas] Re: OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 14:53:21 UTC
From: dean
Topic: 15544 Message: 19667

You know if you use the “Ugly Balun” it will keep RF out of your shack. I used just more coax for mine and not connectors and it works great.

http://www.hamuniverse.com/balun.html

Save yourself some money.

73, WY6L

From: jim burns
Sent: Tuesday, September 06, 2011 6:58 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: OCF Antenna Question

Hi Jim !

What dimensions did you use?

TNX

Jim

From: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] On
Behalf Of odonjim
Sent: Friday, September 02, 2011 4:28 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: [ham-antennas] Re: OCF Antenna Question

Tony,

The quality of the balun is the major cost driver and, of course, wire quality can also impact cost. The balun design/construction can have a impact on performance characteristics and the long term reliability of the antenna.

I built my own OCF cut for 80m and it has low SWR on 80-40-20-17-12-10-6, but worthless on 15m. SWR is under 2.2:1 everywhere on those bands - actually under 1.5:1 most places I operate, but I normally use a tuner anyway. My dual (4:1 impedance and 1:1 current since the OCF will tend to send RF back to the shack) balun was about $100 since I did not build it and I run up to 800W through it so bought a 2kW rated balun.

You can do a little research, but I've seen 4:1 recommended for installations less than 40' high and 6:1 for higher than 40' in order to properly match a 50 ohm feedline to the antenna impedance. Mine is pretty

much flat top now at about 28', but I plan to raise the center another 5' or so.

73.....Jim KR9E

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19668. Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 21:25:59 UTC
From: Walt Wilson
Topic: 19668 Message: 19668

As a new member, I want to ask the group what a reasonable multiband beam (2 or 3 element)will cost me. I am on a shoestring. Or would I do better with a wire/balun setup for cost purposes? Thanks for any ideas.

Walt

19669. AW: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 21:38:25 UTC
From: Siegfried Jackstien
Topic: 19668 Message: 19669

Multiband beams are not cheap
Sometimes you can find a used tribander for abt. 100 bucks
But not he best one and it is used ... so if cost is to be kept low I would use a wire antenna first to get on the air ... after that you can improve your station with tower, beam, rotor etc ... but all tat would cost you an arm and a leg compared to the wire antenna ..... so ...
To get on the air I woul recommend a ladderline fed doublet (or if you have room and some trees or wodden poles a loop)
Greetzs
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Walt Wilson
> Gesendet: Dienstag, 6. September 2011 21:26
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Newbie Question
>
>
>
> As a new member, I want to ask the group what a reasonable multiband beam
> (2 or 3 element)will cost me. I am on a shoestring. Or would I do better
> with a wire/balun setup for cost purposes? Thanks for any ideas.
>
> Walt
>
>
>
>

19670. Re: AW: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 21:52:17 UTC
From: Walt
Topic: 19668 Message: 19670

Many thanks, I am leaning toward the wire and Balen, multiband set up. I have a down payment on a Dentron Super Tuner so I should have no trouble getting the SWR set for any band after it is all set up. With my lack of funds I have to take baby steps, but better than no steps!

Walt

From: Siegfried Jackstien
Sent: Tuesday, September 06, 2011 5:38 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Newbie Question

Multiband beams are not cheap
Sometimes you can find a used tribander for abt. 100 bucks
But not he best one and it is used ... so if cost is to be kept low I would use a wire antenna first to get on the air ... after that you can improve your station with tower, beam, rotor etc ... but all tat would cost you an arm and a leg compared to the wire antenna ..... so ...
To get on the air I woul recommend a ladderline fed doublet (or if you have room and some trees or wodden poles a loop)
Greetzs
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt Wilson
> Gesendet: Dienstag, 6. September 2011 21:26
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: [ham-antennas] Newbie Question
>
>
>
> As a new member, I want to ask the group what a reasonable multiband beam
> (2 or 3 element)will cost me. I am on a shoestring. Or would I do better
> with a wire/balun setup for cost purposes? Thanks for any ideas.
>
> Walt
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

19671. Re: OCF Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 21:58:39 UTC
From: g4ldsqrp
Topic: 15544 Message: 19671

I second that, You can make an "ugly" 1:1 choke balun from 10turns (ish) @ 6-8'' dia under the aerial feed. I also use a similar choke of 30t @ 40mm dia tube at the ATU to ensure RF is tamed!

Chris

G4LDS

-

19672. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 21:58:42 UTC
From: dean
Topic: 19668 Message: 19672

What kind of radio do you have? Does it have an internal tuner? What frequencies do you want? How much space do you have? You can build a nice multiband inverted V for cheap. Use an “Ugly Balun” and that can save you bucks also.

http://www.hamuniverse.com/balun.html

If you cut your wires right you might not even need a tuner.

73, WY6L

From: Walt
Sent: Tuesday, September 06, 2011 2:52 PM
To: ham-antennas@...m
Subject: Re: AW: [ham-antennas] Newbie Question

Many thanks, I am leaning toward the wire and Balen, multiband set up. I have a down payment on a Dentron Super Tuner so I should have no trouble getting the SWR set for any band after it is all set up. With my lack of funds I have to take baby steps, but better than no steps!

Walt

From: Siegfried Jackstien
Sent: Tuesday, September 06, 2011 5:38 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: AW: [ham-antennas] Newbie Question

Multiband beams are not cheap
Sometimes you can find a used tribander for abt. 100 bucks
But not he best one and it is used ... so if cost is to be kept low I would use a wire antenna first to get on the air ... after that you can improve your station with tower, beam, rotor etc ... but all tat would cost you an arm and a leg compared to the wire antenna ..... so ...
To get on the air I woul recommend a ladderline fed doublet (or if you have room and some trees or wodden poles a loop)
Greetzs
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt Wilson
> Gesendet: Dienstag, 6. September 2011 21:26
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: [ham-antennas] Newbie Question
>

>
>
> As a new member, I want to ask the group what a reasonable multiband beam
> (2 or 3 element)will cost me. I am on a shoestring. Or would I do better
> with a wire/balun setup for cost purposes? Thanks for any ideas.
>
> Walt
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19673. AW: AW: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 22:02:06 UTC
From: Siegfried Jackstien
Topic: 19668 Message: 19673

If the dentron has a balun on the output you should feed the doublet with ladderline (or add a 1:4 balun to the tuner if not built-in)
Not with coax and balun at the antenna!!!
Say you have a 80 m dipole 8ith balun in the air and fed with coax) and feed it on 40
Sure you can find a match on the tuner BUT the antenna has very high impedance ... so most of your power will be lost in the coax ...
With balun at the shack end and ladderline you will way lower losses ... and so you can feed it on ANY band with your tuner
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 6. September 2011 21:52
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Newbie Question
>
>
>
> Many thanks, I am leaning toward the wire and Balen, multiband set up. I
> have a down payment on a Dentron Super Tuner so I should have no trouble
> getting the SWR set for any band after it is all set up. With my lack of
> funds I have to take baby steps, but better than no steps!
>
> Walt
>
> From: Siegfried Jackstien
> Sent: Tuesday, September 06, 2011 5:38 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Newbie Question
>
> Multiband beams are not cheap
> Sometimes you can find a used tribander for abt. 100 bucks
> But not he best one and it is used ... so if cost is to be kept low I
> would
> use a wire antenna first to get on the air ... after that you can improve
> your station with tower, beam, rotor etc ... but all tat would cost you an
> arm and a leg compared to the wire antenna ..... so ...
> To get on the air I woul recommend a ladderline fed doublet (or if you
> have
> room and some trees or wodden poles a loop)
> Greetzs
> Dg9bfc

> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Walt Wilson
> > Gesendet: Dienstag, 6. September 2011 21:26
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: [ham-antennas] Newbie Question
> >
> >
> >
> > As a new member, I want to ask the group what a reasonable multiband
> beam
> > (2 or 3 element)will cost me. I am on a shoestring. Or would I do better
> > with a wire/balun setup for cost purposes? Thanks for any ideas.
> >
> > Walt
> >
> >
> >
> >
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

19674. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 22:13:12 UTC
From: Walt
Topic: 19668 Message: 19674

Thanks for the link. I am about to put a Yaesu 301 D on my self as a first time radio set up. The info on the Ugly Balun is very helpful. Thanks to you and all the rest for the suggestions.

From: dean
Sent: Tuesday, September 06, 2011 5:58 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

What kind of radio do you have? Does it have an internal tuner? What frequencies do you want? How much space do you have? You can build a nice multiband inverted V for cheap. Use an “Ugly Balun” and that can save you bucks also.

http://www.hamuniverse.com/balun.html

If you cut your wires right you might not even need a tuner.

73, WY6L

From: Walt
Sent: Tuesday, September 06, 2011 2:52 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: AW: [ham-antennas] Newbie Question

Many thanks, I am leaning toward the wire and Balen, multiband set up. I have a down payment on a Dentron Super Tuner so I should have no trouble getting the SWR set for any band after it is all set up. With my lack of funds I have to take baby steps, but better than no steps!

Walt

From: Siegfried Jackstien
Sent: Tuesday, September 06, 2011 5:38 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: AW: [ham-antennas] Newbie Question

Multiband beams are not cheap
Sometimes you can find a used tribander for abt. 100 bucks
But not he best one and it is used ... so if cost is to be kept low I would
use a wire antenna first to get on the air ... after that you can improve
your station with tower, beam, rotor etc ... but all tat would cost you an
arm and a leg compared to the wire antenna ..... so ...
To get on the air I woul recommend a ladderline fed doublet (or if you have
room and some trees or wodden poles a loop)
Greetzs
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt Wilson
> Gesendet: Dienstag, 6. September 2011 21:26
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: [ham-antennas] Newbie Question
>
>
>
> As a new member, I want to ask the group what a reasonable multiband beam
> (2 or 3 element)will cost me. I am on a shoestring. Or would I do better
> with a wire/balun setup for cost purposes? Thanks for any ideas.
>
> Walt
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

19675. Re: AW: AW: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 22:14:18 UTC
From: Walt
Topic: 19668 Message: 19675

Thanks for the information. I am saving all this to try and make the first wire up be good enough to stay for a while~!

From: Siegfried Jackstien
Sent: Tuesday, September 06, 2011 6:02 PM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Newbie Question

If the dentron has a balun on the output you should feed the doublet with ladderline (or add a 1:4 balun to the tuner if not built-in)
Not with coax and balun at the antenna!!!
Say you have a 80 m dipole 8ith balun in the air and fed with coax) and feed it on 40
Sure you can find a match on the tuner BUT the antenna has very high impedance ... so most of your power will be lost in the coax ...
With balun at the shack end and ladderline you will way lower losses ... and so you can feed it on ANY band with your tuner
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 6. September 2011 21:52
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Newbie Question
>
>
>
> Many thanks, I am leaning toward the wire and Balen, multiband set up. I
> have a down payment on a Dentron Super Tuner so I should have no trouble
> getting the SWR set for any band after it is all set up. With my lack of
> funds I have to take baby steps, but better than no steps!
>
> Walt
>
> From: Siegfried Jackstien
> Sent: Tuesday, September 06, 2011 5:38 PM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Newbie Question
>
> Multiband beams are not cheap
> Sometimes you can find a used tribander for abt. 100 bucks
> But not he best one and it is used ... so if cost is to be kept low I
> would

> use a wire antenna first to get on the air ... after that you can improve
> your station with tower, beam, rotor etc ... but all tat would cost you an
> arm and a leg compared to the wire antenna ..... so ...
> To get on the air I woul recommend a ladderline fed doublet (or if you
> have
> room and some trees or wodden poles a loop)
> Greetzs
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Walt Wilson
> > Gesendet: Dienstag, 6. September 2011 21:26
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: [ham-antennas] Newbie Question
> >
> >
> >
> > As a new member, I want to ask the group what a reasonable multiband
> beam
> > (2 or 3 element)will cost me. I am on a shoestring. Or would I do better
> > with a wire/balun setup for cost purposes? Thanks for any ideas.
> >
> > Walt
> >
> >
> >
> >
>
> --
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

19676. AW: AW: AW: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 22:25:28 UTC
From: Siegfried Jackstien
Topic: 19668 Message: 19676

If it does not fall down in the next storm it was not high enough
:-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 6. September 2011 22:14
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Newbie Question
>
>
>
> Thanks for the information. I am saving all this to try and make the first
> wire up be good enough to stay for a while~!
>
> From: Siegfried Jackstien
> Sent: Tuesday, September 06, 2011 6:02 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Newbie Question
>
> If the dentron has a balun on the output you should feed the doublet with
> ladderline (or add a 1:4 balun to the tuner if not built-in)
> Not with coax and balun at the antenna!!!
> Say you have a 80 m dipole 8ith balun in the air and fed with coax) and
> feed
> it on 40
> Sure you can find a match on the tuner BUT the antenna has very high
> impedance ... so most of your power will be lost in the coax ...
> With balun at the shack end and ladderline you will way lower losses ...
> and
> so you can feed it on ANY band with your tuner
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Walt
> > Gesendet: Dienstag, 6. September 2011 21:52
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Newbie Question
> >
> >

> >
> > Many thanks, I am leaning toward the wire and Balen, multiband set up. I
> > have a down payment on a Dentron Super Tuner so I should have no trouble
> > getting the SWR set for any band after it is all set up. With my lack of
> > funds I have to take baby steps, but better than no steps!
> >
> > Walt
> >
> > From: Siegfried Jackstien
> > Sent: Tuesday, September 06, 2011 5:38 PM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: AW: [ham-antennas] Newbie Question
> >
> > Multiband beams are not cheap
> > Sometimes you can find a used tribander for abt. 100 bucks
> > But not he best one and it is used ... so if cost is to be kept low I
> > would
> > use a wire antenna first to get on the air ... after that you can
> improve
> > your station with tower, beam, rotor etc ... but all tat would cost you
> an
> > arm and a leg compared to the wire antenna ..... so ...
> > To get on the air I woul recommend a ladderline fed doublet (or if you
> > have
> > room and some trees or wodden poles a loop)
> > Greetzs
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > antennas%40yahoogroups.com] Im
> > > Auftrag von Walt Wilson
> > > Gesendet: Dienstag, 6. September 2011 21:26
> > > An: mailto:ham-antennas%40yahoogroups.com
> > > Betreff: [ham-antennas] Newbie Question
> > >
> > >
> > >
> > > As a new member, I want to ask the group what a reasonable multiband
> > beam
> > > (2 or 3 element)will cost me. I am on a shoestring. Or would I do
> better
> > > with a wire/balun setup for cost purposes? Thanks for any ideas.
> > >
> > > Walt
> > >
> > >
> > >

> > >
> >
> > ---
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

19677. Re: AW: AW: AW: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 22:28:40 UTC
From: Walt
Topic: 19668 Message: 19677

Gee, that is the same thing I used to say about 30 years ago about my 70 ft. tower and 5 element yagi. Wind storms would make me nervous!

From: Siegfried Jackstien
Sent: Tuesday, September 06, 2011 6:25 PM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: AW: [ham-antennas] Newbie Question

If it does not fall down in the next storm it was not high enough
:-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 6. September 2011 22:14
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Newbie Question
>
>
>
> Thanks for the information. I am saving all this to try and make the first
> wire up be good enough to stay for a while~!
>
> From: Siegfried Jackstien
> Sent: Tuesday, September 06, 2011 6:02 PM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Newbie Question
>
> If the dentron has a balun on the output you should feed the doublet with
> ladderline (or add a 1:4 balun to the tuner if not built-in)
> Not with coax and balun at the antenna!!!
> Say you have a 80 m dipole 8ith balun in the air and fed with coax) and
> feed
> it on 40
> Sure you can find a match on the tuner BUT the antenna has very high
> impedance ... so most of your power will be lost in the coax ...
> With balun at the shack end and ladderline you will way lower losses ....
> and
> so you can feed it on ANY band with your tuner
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----

> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Walt
> > Gesendet: Dienstag, 6. September 2011 21:52
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Newbie Question
> >
> >
> >
> > Many thanks, I am leaning toward the wire and Balen, multiband set up. I
> > have a down payment on a Dentron Super Tuner so I should have no trouble
> > getting the SWR set for any band after it is all set up. With my lack of
> > funds I have to take baby steps, but better than no steps!
> >
> > Walt
> >
> > From: Siegfried Jackstien
> > Sent: Tuesday, September 06, 2011 5:38 PM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: AW: [ham-antennas] Newbie Question
> >
> > Multiband beams are not cheap
> > Sometimes you can find a used tribander for abt. 100 bucks
> > But not he best one and it is used ... so if cost is to be kept low I
> > would
> > use a wire antenna first to get on the air ... after that you can
> improve
> > your station with tower, beam, rotor etc ... but all tat would cost you
> an
> > arm and a leg compared to the wire antenna ..... so ...
> > To get on the air I woul recommend a ladderline fed doublet (or if you
> > have
> > room and some trees or wodden poles a loop)
> > Greetzs
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > antennas%40yahoogroups.com] Im
> > > Auftrag von Walt Wilson
> > > Gesendet: Dienstag, 6. September 2011 21:26
> > > An: mailto:ham-antennas%40yahoogroups.com
> > > Betreff: [ham-antennas] Newbie Question
> > >
> > >
> > >
> > > As a new member, I want to ask the group what a reasonable multiband
> > beam

> > > (2 or 3 element)will cost me. I am on a shoestring. Or would I do
> better
> > > with a wire/balun setup for cost purposes? Thanks for any ideas.
> > >
> > > Walt
> > >
> > >
> > >
> > >
> >
> > ---
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

19678. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 22:32:09 UTC
From: dean
Topic: 19668 Message: 19678

I'm not familiar with that radio. Is it tube or solid state. If its tube you have to tune the frequency with your radio or you can use an external tuner. I personally would rather make a resonate antenna that does not require much tuning rather than put a lot of bucks out for a tuner.

73, WY6L

From: Walt
Sent: Tuesday, September 06, 2011 3:13 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Thanks for the link. I am about to put a Yaesu 301 D on my self as a first time radio set up. The info on the Ugly Balun is very helpful. Thanks to you and all the rest for the suggestions.

From: dean
Sent: Tuesday, September 06, 2011 5:58 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

What kind of radio do you have? Does it have an internal tuner? What frequencies do you want? How much space do you have? You can build a nice multiband inverted V for cheap. Use an "Ugly Balun" and that can save you bucks also.

http://www.hamuniverse.com/balun.html

If you cut your wires right you might not even need a tuner.

73, WY6L

From: Walt
Sent: Tuesday, September 06, 2011 2:52 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: AW: [ham-antennas] Newbie Question

Many thanks, I am leaning toward the wire and Balen, multiband set up. I have a down payment on a Dentron Super Tuner so I should have no trouble getting the SWR set for any band after it is all set up. With my lack of funds I have to take baby steps, but better than no steps!

Walt

From: Siegfried Jackstien
Sent: Tuesday, September 06, 2011 5:38 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: AW: [ham-antennas] Newbie Question

Multiband beams are not cheap
Sometimes you can find a used tribander for abt. 100 bucks
But not he best one and it is used ... so if cost is to be kept low I would use a wire antenna first to get on the air ... after that you can improve your station with tower, beam, rotor etc ... but all tat would cost you an arm and a leg compared to the wire antenna ..... so ...
To get on the air I woul recommend a ladderline fed doublet (or if you have room and some trees or wodden poles a loop)
Greetzs
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt Wilson
> Gesendet: Dienstag, 6. September 2011 21:26
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: [ham-antennas] Newbie Question
>
>
>
> As a new member, I want to ask the group what a reasonable multiband beam
> (2 or 3 element)will cost me. I am on a shoestring. Or would I do better
> with a wire/balun setup for cost purposes? Thanks for any ideas.
>
> Walt
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19679. RE: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 22:42:52 UTC
From: Richard Schmuke
Topic: 19668 Message: 19679

Walt a small beam $200 to $500 dollars , a small rotor $500, a small tower and supplies, base and cables $1000, so you are close to $2000 and you are not on the air yet.

Wire and a balun for a $100 and you are on the air. If you scrounge and build then about $29 to $50. A wire antenna can be held up with anything non conductive. Double braided , extra treated Dacron is good but some nylon cord from Wal-Mart will work. It might not last 20 years but believe me you will change antenna designs more often than that.

Rich , Kd0zz

Subject: [ham-antennas] Newbie Question

As a new member, I want to ask the group what a reasonable multiband beam (2 or 3 element)will cost me. I am on a shoestring. Or would I do better with a wire/balun setup for cost purposes? Thanks for any ideas.

Walt

[Non-text portions of this message have been removed]

19680. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 23:03:49 UTC
From: Walt
Topic: 19668 Message: 19680

Thanks for the advice. I am compiling what everyone says here. So far the wire/Balun is the choice of the majority. Thanks for the input.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 6:42 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Newbie Question

Walt a small beam $200 to $500 dollars , a small rotor $500, a small tower and supplies, base and cables $1000, so you are close to $2000 and you are not on the air yet.

Wire and a balun for a $100 and you are on the air. If you scrounge and build then about $29 to $50. A wire antenna can be held up with anything non conductive. Double braided , extra treated Dacron is good but some nylon cord from Wal-Mart will work. It might not last 20 years but believe me you will change antenna designs more often than that.

Rich , Kd0zz

Subject: [ham-antennas] Newbie Question

As a new member, I want to ask the group what a reasonable multiband beam (2 or 3 element)will cost me. I am on a shoestring. Or would I do better with a wire/balun setup for cost purposes? Thanks for any ideas.

Walt

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

19681. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 23:05:37 UTC
From: Walt
Topic: 19668 Message: 19681

Solid State with digital readout. 100 watt output nominal. Understand about the antenna and having one that resonates properly.

Thanks

Walt

From: dean
Sent: Tuesday, September 06, 2011 6:32 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

I’m not familiar with that radio. Is it tube or solid state. If its tube you have to tune the frequency with your radio or you can use an external tuner. I personally would rather make a resonate antenna that does not require much tuning rather than put a lot of bucks out for a tuner.

73, WY6L

From: Walt
Sent: Tuesday, September 06, 2011 3:13 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Thanks for the link. I am about to put a Yaesu 301 D on my self as a first time radio set up. The info on the Ugly Balun is very helpful. Thanks to you and all the rest for the suggestions.

From: dean
Sent: Tuesday, September 06, 2011 5:58 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

What kind of radio do you have? Does it have an internal tuner? What frequencies do you want? How much space do you have? You can build a nice multiband inverted V for cheap. Use an “Ugly Balun” and that can save you bucks also.

http://www.hamuniverse.com/balun.html

If you cut your wires right you might not even need a tuner.

73, WY6L

From: Walt
Sent: Tuesday, September 06, 2011 2:52 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: AW: [ham-antennas] Newbie Question

Many thanks, I am leaning toward the wire and Balen, multiband set up. I have a down payment on a Dentron Super Tuner so I should have no trouble getting the SWR set for any band after it is all set up. With my lack of funds I have to take baby steps, but better than no steps!

Walt

From: Siegfried Jackstien
Sent: Tuesday, September 06, 2011 5:38 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: AW: [ham-antennas] Newbie Question

Multiband beams are not cheap
Sometimes you can find a used tribander for abt. 100 bucks
But not he best one and it is used ... so if cost is to be kept low I would use a wire antenna first to get on the air ... after that you can improve your station with tower, beam, rotor etc ... but all tat would cost you an arm and a leg compared to the wire antenna ..... so ...
To get on the air I woul recommend a ladderline fed doublet (or if you have room and some trees or wodden poles a loop)
Greetzs
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt Wilson
> Gesendet: Dienstag, 6. September 2011 21:26
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: [ham-antennas] Newbie Question
>
>
>
> As a new member, I want to ask the group what a reasonable multiband beam
> (2 or 3 element)will cost me. I am on a shoestring. Or would I do better
> with a wire/balun setup for cost purposes? Thanks for any ideas.
>
> Walt
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

19682. Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-06 23:07:44 UTC
From: m0tim
Topic: 19682 Message: 19682

My antenna transmission line runs underground from the wire antenna to my basement radio room in plastic schedule 40 conduit and through the concrete wall.

I want to put lightning protection before it enters the house and have a plastic wall mountable Harger case and Polyphaser lightening arrester.

The problems is that there is no room on the outside wall where the conduit enters the house to mount the case, the nearest I can get is 6 feet away. I want to avoid having to move the exiting conduit so my plan is to put a sched 40 tee piece in just where the coax enters the house run the cable 6 feet to the Harger box and the arrester and then run it back down the same 6 ft of sk 40 to the entrance hole.

My question is if this negates the whole purpose of the lightening arrester. Would teh lightning just across from one cable to the other and just bypass the arrester?

Thanks and 73

Tim K9VB

19683. Re: I can not seem to unsubscribe.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 00:08:04 UTC
From: Mike Rodgers
Topic: 19608 Message: 19683

It just like hotel California. He hee.

73
Mike R

Sent from my spy ring

19684. Re: [ham-antennas] Re: I can not seem to unsubscribe.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 00:52:54 UTC
From: Walt
Topic: 19608 Message: 19684

Works for me! LOL

From: Mike Rodgers
Sent: Tuesday, September 06, 2011 8:08 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: I can not seem to unsubscribe.

It just like hotel California. He hee.

73
Mike R

Sent from my spy ring

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

19685. Re: AW: AW: AW: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 01:42:17 UTC
From: Dale H. Cole K8TS
Topic: 19668 Message: 19685

the worse the wx u put it up in, the better it will be

dale k8ts

----- Original Message -----

From: "Siegfried Jackstien" <siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 6, 2011 6:25:28 PM
Subject: AW: AW: AW: [ham-antennas] Newbie Question

If it does not fall down in the next storm it was not high enough
:-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto: ham-antennas@yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 6. September 2011 22:14
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Newbie Question
>
>
>
> Thanks for the information. I am saving all this to try and make the first
> wire up be good enough to stay for a while~!
>
> From: Siegfried Jackstien
> Sent: Tuesday, September 06, 2011 6:02 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Newbie Question
>
> If the dentron has a balun on the output you should feed the doublet with
> ladderline (or add a 1:4 balun to the tuner if not built-in)
> Not with coax and balun at the antenna!!!
> Say you have a 80 m dipole 8ith balun in the air and fed with coax) and
> feed
> it on 40
> Sure you can find a match on the tuner BUT the antenna has very high
> impedance ... so most of your power will be lost in the coax ...
> With balun at the shack end and ladderline you will way lower losses ...
> and
> so you can feed it on ANY band with your tuner
> Dg9bfc
> Sigi

>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Walt
> > Gesendet: Dienstag, 6. September 2011 21:52
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Newbie Question
> >
> >
> >
> > Many thanks, I am leaning toward the wire and Balen, multiband set up. I
> > have a down payment on a Dentron Super Tuner so I should have no trouble
> > getting the SWR set for any band after it is all set up. With my lack of
> > funds I have to take baby steps, but better than no steps!
> >
> > Walt
> >
> > From: Siegfried Jackstien
> > Sent: Tuesday, September 06, 2011 5:38 PM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: AW: [ham-antennas] Newbie Question
> >
> > Multiband beams are not cheap
> > Sometimes you can find a used tribander for abt. 100 bucks
> > But not he best one and it is used ... so if cost is to be kept low I
> > would
> > use a wire antenna first to get on the air ... after that you can
> improve
> > your station with tower, beam, rotor etc ... but all tat would cost you
> an
> > arm and a leg compared to the wire antenna ..... so ...
> > To get on the air I woul recommend a ladderline fed doublet (or if you
> > have
> > room and some trees or wodden poles a loop)
> > Greetzs
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > antennas%40yahoogroups.com] Im
> > > Auftrag von Walt Wilson
> > > Gesendet: Dienstag, 6. September 2011 21:26
> > > An: mailto:ham-antennas%40yahoogroups.com
> > > Betreff: [ham-antennas] Newbie Question
> > >
> > >
> > >

> > > As a new member, I want to ask the group what a reasonable multiband
> > beam
> > > (2 or 3 element)will cost me. I am on a shoestring. Or would I do
> better
> > > with a wire/balun setup for cost purposes? Thanks for any ideas.
> > >
> > > Walt
> > >
> > >
> > >
> > >
> >
> > ---
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19686. Re: AW: AW: AW: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 01:52:41 UTC
From: Dale H. Cole K8TS
Topic: 19668 Message: 19686

Have old A-3 cushcraft in the rafters......has coaxal traps....good for spare alum. hi hi

dale k8ts

----- Original Message -----

From: "Dale H. Cole K8TS" <k9ttt@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 6, 2011 9:42:17 PM
Subject: Re: AW: AW: AW: [ham-antennas] Newbie Question

the worse the wx u put it up in, the better it will be

dale k8ts

----- Original Message -----

From: "Siegfried Jackstien" < siegfried.jackstien@... >
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 6, 2011 6:25:28 PM
Subject: AW: AW: AW: [ham-antennas] Newbie Question

If it does not fall down in the next storm it was not high enough
:-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto: ham-antennas@yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 6. September 2011 22:14
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Newbie Question
>
>
>
> Thanks for the information. I am saving all this to try and make the first
> wire up be good enough to stay for a while~!
>
> From: Siegfried Jackstien
> Sent: Tuesday, September 06, 2011 6:02 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Newbie Question
>
> If the dentron has a balun on the output you should feed the doublet with
> ladderline (or add a 1:4 balun to the tuner if not built-in)
> Not with coax and balun at the antenna!!!

> Say you have a 80 m dipole 8ith balun in the air and fed with coax) and
> feed
> it on 40
> Sure you can find a match on the tuner BUT the antenna has very high
> impedance ... so most of your power will be lost in the coax ...
> With balun at the shack end and ladderline you will way lower losses ...
> and
> so you can feed it on ANY band with your tuner
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Walt
> > Gesendet: Dienstag, 6. September 2011 21:52
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Newbie Question
> >
> >
> >
> > Many thanks, I am leaning toward the wire and Balen, multiband set up. I
> > have a down payment on a Dentron Super Tuner so I should have no trouble
> > getting the SWR set for any band after it is all set up. With my lack of
> > funds I have to take baby steps, but better than no steps!
> >
> > Walt
> >
> > From: Siegfried Jackstien
> > Sent: Tuesday, September 06, 2011 5:38 PM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: AW: [ham-antennas] Newbie Question
> >
> > Multiband beams are not cheap
> > Sometimes you can find a used tribander for abt. 100 bucks
> > But not he best one and it is used ... so if cost is to be kept low I
> > would
> > use a wire antenna first to get on the air ... after that you can
> improve
> > your station with tower, beam, rotor etc ... but all tat would cost you
> an
> > arm and a leg compared to the wire antenna ..... so ...
> > To get on the air I woul recommend a ladderline fed doublet (or if you
> > have
> > room and some trees or wodden poles a loop)
> > Greetzs
> > Dg9bfc
> > Sigi
> >

> > > -----Ursprüngliche Nachricht-----
> > > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > antennas%40yahoogroups.com] Im
> > > Auftrag von Walt Wilson
> > > Gesendet: Dienstag, 6. September 2011 21:26
> > > An: mailto:ham-antennas%40yahoogroups.com
> > > Betreff: [ham-antennas] Newbie Question
> > >
> > >
> > >
> > > As a new member, I want to ask the group what a reasonable multiband
> > beam
> > > (2 or 3 element)will cost me. I am on a shoestring. Or would I do
> better
> > > with a wire/balun setup for cost purposes? Thanks for any ideas.
> > >
> > > Walt
> > >
> > >
> > >
> > >
> >
> > ---
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19687. Re: [ham-antennas] Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 01:38:35 UTC
From: Stan Labinsky Jr.
Topic: 19682 Message: 19687

----- Original Message -----
From: m0tim
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 06, 2011 7:07 PM
Subject: [ham-antennas] Lightning Protection in my Transmission Line

My antenna transmission line runs underground from the wire antenna to my basement radio room in plastic schedule 40 conduit and through the concrete wall.

I want to put lightning protection before it enters the house and have a plastic wall mountable Harger case and Polyphaser lightening arrester.

The problems is that there is no room on the outside wall where the conduit enters the house to mount the case, the nearest I can get is 6 feet away. I want to avoid having to move the exiting conduit so my plan is to put a sched 40 tee piece in just where the coax enters the house run the cable 6 feet to the Harger box and the arrester and then run it back down the same 6 ft of sk 40 to the entrance hole.

My question is if this negates the whole purpose of the lightening arrester. Would teh lightning just across from one cable to the other and just bypass the arrester?

Thanks and 73

Tim K9VB

[Non-text portions of this message have been removed]

19688. Re: [ham-antennas] Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 01:57:44 UTC
From: Stan Labinsky Jr.
Topic: 19682 Message: 19688

Actually, Tim, the lightning arrestor deals with strike energy on the center conductor of the cable, shunting the majority of that particular part of the strike to the shield and then to ground. So, the input circuits of the attached radio are spared the blast. Given that description, I'd put the arrestor right on the antenna jack of the radio, or tuner if you use one.
It is typically not a good idea to run the antenna side of the cable next to the radio side of the cable, but for a different reason. The strike current on the antenna side of the outside of the shield will set up a magnetic field which will induce a voltage on the radio side of the cable - transformer action. My reference here is where you were intending to install the arrestor on center of the loop of cable, assuming that that point would be tied to your lightning ground.
If you have a way of accessing the cable somewhere before it enters the building, I'd tie that point to my grounding system via a short fat lead with very gentle bends if necessary. In a way, running the cable underground will help to soften the strike by the cable's capacitance to the earth. Some of the higher frequency energy will be shunted off the shield.

Stan

----- Original Message -----
From: m0tim
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 06, 2011 7:07 PM
Subject: [ham-antennas] Lightning Protection in my Transmission Line

My antenna transmission line runs underground from the wire antenna to my basement radio room in plastic schedule 40 conduit and through the concrete wall.

I want to put lightning protection before it enters the house and have a plastic wall mountable Harger case and Polyphaser lightening arrester.

The problems is that there is no room on the outside wall where the conduit enters the house to mount the case, the nearest I can get is 6 feet away. I want to avoid having to move the exiting conduit so my plan is to put a sched 40 tee piece in just where the coax enters the house run the cable 6 feet to the Harger box and the arrester and then run it back down the same 6 ft of sk 40 to the entrance hole.

My question is if this negates the whole purpose of the lightening arrester. Would teh lightning just across from one cable to the other and just bypass the arrester?

Thanks and 73

Tim K9VB

[Non-text portions of this message have been removed]

19689. RE: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 02:30:29 UTC
From: Richard Schmuke
Topic: 19668 Message: 19689

To start, you don’t need a balun or anything complex , just put up a dipole cut for 20M band and you are on the air. As you feel comfortable with the radio you can add the tuner and balun. The only reason I say start with a dipole is that it is simple and you want to have fun right off the bat. As you get a good feel with the radio then things can get more complex and you will always have this group the ask questions of as you go. I build all my stuff, antennas, baluns and towers but then like good ole Waylon Jennings said, “I have always been crazy but it kept me from going insane”.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Walt
Sent: Tuesday, September 06, 2011 6:04 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Thanks for the advice. I am compiling what everyone says here. So far the wire/Balun is the choice of the majority. Thanks for the input.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 6:42 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] Newbie Question

Walt a small beam $200 to $500 dollars , a small rotor $500, a small tower and supplies, base and cables $1000, so you are close to $2000 and you are not on the air yet.

Wire and a balun for a $100 and you are on the air. If you scrounge and build then about $29 to $50. A wire antenna can be held up with anything non conductive. Double braided , extra treated Dacron is good but some nylon cord from Wal-Mart will work. It might not last 20 years but believe me you will change antenna designs more often than that.

Rich , Kd0zz

Subject: [ham-antennas] Newbie Question

As a new member, I want to ask the group what a reasonable multiband beam (2 or 3 element)will cost me. I am on a shoestring. Or would I do better with a wire/balun setup for cost purposes? Thanks for any ideas.

Walt

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19690. New to the group with questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 03:00:58 UTC
From: pchapman920
Topic: 19690 Message: 19690

HI:

Paul WA4NUN here. Ham since 1962, same call. Have a bit more time on my hands than in the past although somewhat active over the last few years. I run an Icom 7410 as the new gear and my 718 is now the back-up if needed. Trying to move toward more resonant antennas that work with the internal tuner of the 7410.

Operated for several years with a Van Gordon G5RV sold at HRO which is no longer in production. It was a decent compromise antenna that worked pretty well on 20 and OK on other bands. (A bit noisy.) It failed recently to UV rot and heavy wind strain (the dacron rope after all this time still has very little fraying and will be reused) at the center split after eight years, but most of the coax (with minor bleeding but meter tests good) and copper wire was good for salvage. I do not want to be one antenna dependent any longer.

Forgive the extreme detail but I know it can be tough to answer questions without enough information.

I have a very large lot and no HOA to deal with, but still have space restrictions as the lot is very heavily wooded and the house is on top of a fairly steep hill. I have about 120 foot diameter circle of trees to work with and most do not qualify as good, stable, antenna trees. I have one good tall tree I could use as an anchor tree for two or three antenna ends and basically spin around the compass to other trees. I already have a 40 meter dipole with a 1:1 balun up, that is working great, just need to do final trim and weather seal, also a K4TR version of the W5GI mystery antenna ready to go, and a 20 meter double bazooka ready to go when it drys out from the tropical storm that came through over the last few days here in Georgia. On a compass the spans would be about 50 degrees apart at the far end for each antenna, so there would be no true right angles which is desired, of course.

Implications of this approach?

Next....I have some flexibility with the exception of the "Mystery Antenna" about spacing the feed-line splits from each other, roping closer to one tree or the other, and there will be some height difference at the splits of course as well. As I see it from the ground prior to install going clockwise, the 40 meter dipole feed split would be about 40 feet from the Mystery Antenna feed split at about plus or minus 10 feet in height from it. The 20 meter Bazooka feed split would be about 30 feet from the 40 meter dipole split and about 40 feet from the Mystery Antenna split.

I need the Mystery Antenna to stay in touch with a friend on 75 and do not have enough room to run a full 1/2 wave dipole. I want to experiment with the Bazooka, and if unhappy, once I finish tuning the 40 meter dipole, just start adding legs to it for multi-band.

Which brings up another question. Has anyone added a 17 meter leg to a forty meter dipole with balun and get by with an internal tuner that is only reliable to tune not worse than a 2:1? I've done it with 20 meters which was easy many years ago, after I tweaked the forty perfect flat without a tuner. If I remember correctly, also 15 meters, and I think I had a 1:1 balun in the middle of it all as well. Back then, 17 meter band did not exist.

Thank you for reading my questions and I look forward to any help you folks can give me as I want to move forward on this project by Thursday, after it dries up here in a day or two.

19691. How to get feedline away from the roofing shingles on the house?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 03:20:40 UTC
From: pchapman920
Topic: 19691 Message: 19691

My previous antenna was bad about rubbing the shingles on the house as I do not have gutters.....I use drip edge....no gutter....no clutter, but I have to replace a couple of shingles on the bottom due to the rubbing. A couple of ideas I came up with were

1. Use an ornamental iron plant hanger on the facia board to get the feedlines away from the shingles. Metal might create an unwanted field of interference?

2. Partially bury a concrete block on top of gravel with a second cemented on top and use a length of schedule 40 with drain holes above the blocks for redundant draining on the bottom and a T above the drain holes to pick up the feedlines, and screw a band around the schedule 40 at the facia board to hold it in place leaving enough above to get beyond the roof rub area?

Suggestions or confirmations much appreciated.

19692. Re: How to get feedline away from the roofing shingles on the house?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 07:02:43 UTC
From: fred
Topic: 19691 Message: 19692

solution depends on what type feed line you have and antenna type and location . If you are usind RG8 the PVC pipe is a good solution however do not use a Tee , use electrical conduit with a sweeping curve so that you do not have to make any 90 degree bends in the coax . as that can cuase some types of coax to short internally . the ornamental plant hanger will not affect coax but do not use it if you are using window twinlead . I have a 40 ft pushup pole with a 90 degree corner brace clamped to the top section with 2 screw type hose clamps attached to the facia board with a standard antenna mast mount , the pole is about 4 inches stand off from the roof edge . the lower end of the pole is buried in the ground about 8 inches deep and is solid unough to support the dipole and a 17 ' tram FM vertical . there is a marine grade pulley in the outer screw hole on the bracket and I pull the dipole up and down like a flag . the coax just drops straight down and goes into the basement through a 2 " electrical conduit . when I had the G5RV and 450 ohm line I used the same arrangement except I brought the line in through a window , it was thin enough I could close and lock the window on it , old fashion 1930's wood double hung windows .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> My previous antenna was bad about rubbing the shingles on the house as I do not have gutters.....I use drip edge....no gutter....no clutter, but I have to replace a couple of shingles on the bottom due to the rubbing. A couple of ideas I came up with were
>
> 1. Use an ornamental iron plant hanger on the facia board to get the feedlines away from the shingles. Metal might create an unwanted field of interference?
>
> 2. Partially bury a concrete block on top of gravel with a second cemented on top and use a length of schedule 40 with drain holes above the blocks for redundant draining on the bottom and a T above the drain holes to pick up the feedlines, and screw a band around the schedule 40 at the facia board to hold it in place leaving enough above to get beyond the roof rub area?
>
> Suggestions or confirmations much appreciated.
>

19693. Re: New to the group with questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 10:34:41 UTC
From: kd8bbk@aol.com
Topic: 19690 Message: 19693

I agree with Rich. Keep it simple at first and then start your digging and research after your on the air. You can also get lots of info on the air from hams and get first experience on how the antenna sounds. I run a fan dipole, inverted L, and a 80 meter doublet. The fan dipole is by far the best antenna I ever built. It works great. It covers 80, 40, 30, 17 meters. It does take up a little space but it is all inverted vee style. When I started out I started with a G5RV and it worked great. I still have it today and use it in my to-go box. The only reason I took the G5RV down was to repair it and I put the 80 meter doublet up in its' place. I one thing I don't understand is the talk about putting a balun on a resonant dipole. Any way hope this helps out.
Best 73's
Tony

[Non-text portions of this message have been removed]

19694. Re: [ham-antennas] Re: New to the group with questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 11:47:09 UTC
From: Walt
Topic: 19690 Message: 19694

Thanks, all this info is going into a file for review, I will sort it out and make the choices I can afford and comprehend!

From: kd8bbk@...
Sent: Wednesday, September 07, 2011 6:34 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: New to the group with questions

I agree with Rich. Keep it simple at first and then start your digging and research after your on the air. You can also get lots of info on the air from hams and get first experience on how the antenna sounds. I run a fan dipole, inverted L, and a 80 meter doublet. The fan dipole is by far the best antenna I ever built. It works great. It covers 80, 40, 30, 17 meters. It does take up a little space but it is all inverted vee style. When I started out I started with a G5RV and it worked great. I still have it today and use it in my to-go box. The only reason I took the G5RV down was to repair it and I put the 80 meter doublet up in its' place. I one thing I don't understand is the talk about putting a balun on a resonant dipole. Any way hope this helps out.
Best 73's
Tony

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11

[Non-text portions of this message have been removed]

19695. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 11:56:56 UTC
From: Walt
Topic: 19668 Message: 19695

Thanks again. I will be working on these ideas.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 10:30 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Newbie Question

To start, you don't need a balun or anything complex , just put up a dipole cut for 20M band and you are on the air. As you feel comfortable with the radio you can add the tuner and balun. The only reason I say start with a dipole is that it is simple and you want to have fun right off the bat. As you get a good feel with the radio then things can get more complex and you will always have this group the ask questions of as you go.. I build all my stuff, antennas, baluns and towers but then like good ole Waylon Jennings said, "I have always been crazy but it kept me from going insane".

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

From: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] On Behalf Of Walt
Sent: Tuesday, September 06, 2011 6:04 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Thanks for the advice. I am compiling what everyone says here. So far the wire/Balun is the choice of the majority. Thanks for the input.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 6:42 PM
To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] Newbie Question

Walt a small beam $200 to $500 dollars , a small rotor $500, a small tower and supplies, base and cables $1000, so you are close to $2000 and you are not on the air yet.

Wire and a balun for a $100 and you are on the air. If you scrounge and build then about $29 to $50. A wire antenna can be held up with anything non conductive. Double braided , extra treated Dacron is good but some nylon cord from Wal-Mart will work. It might not last 20 years but believe me you will change antenna designs more often than that.

Rich , Kd0zz

Subject: [ham-antennas] Newbie Question

As a new member, I want to ask the group what a reasonable multiband beam (2 or 3 element)will cost me. I am on a shoestring. Or would I do better with a wire/balun setup for cost purposes? Thanks for any ideas.

Walt

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11

[Non-text portions of this message have been removed]

19696. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 11:58:10 UTC
From: Walt
Topic: 19668 Message: 19696

Message received and understood

From: Dale H. Cole K8TS
Sent: Tuesday, September 06, 2011 9:42 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: AW: AW: [ham-antennas] Newbie Question

the worse the wx u put it up in, the better it will be

dale k8ts

----- Original Message -----

From: "Siegfried Jackstien" <mailto:siegfried.jackstien%40freenet.de>
To: mailto:ham-antennas%40yahoogroups.com
Sent: Tuesday, September 6, 2011 6:25:28 PM
Subject: AW: AW: AW: [ham-antennas] Newbie Question

If it does not fall down in the next storm it was not high enough
:-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com [mailto:
mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 6. September 2011 22:14
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Newbie Question
>
>
>
> Thanks for the information. I am saving all this to try and make the first
> wire up be good enough to stay for a while~!
>
> From: Siegfried Jackstien
> Sent: Tuesday, September 06, 2011 6:02 PM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Newbie Question
>
> If the dentron has a balun on the output you should feed the doublet with
> ladderline (or add a 1:4 balun to the tuner if not built-in)
> Not with coax and balun at the antenna!!!
> Say you have a 80 m dipole 8ith balun in the air and fed with coax) and
> feed
> it on 40

> Sure you can find a match on the tuner BUT the antenna has very high
> impedance ... so most of your power will be lost in the coax ...
> With balun at the shack end and ladderline you will way lower losses ....
> and
> so you can feed it on ANY band with your tuner
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Walt
> > Gesendet: Dienstag, 6. September 2011 21:52
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Newbie Question
> >
> >
> >
> > Many thanks, I am leaning toward the wire and Balen, multiband set up. I
> > have a down payment on a Dentron Super Tuner so I should have no trouble
> > getting the SWR set for any band after it is all set up. With my lack of
> > funds I have to take baby steps, but better than no steps!
> >
> > Walt
> >
> > From: Siegfried Jackstien
> > Sent: Tuesday, September 06, 2011 5:38 PM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: AW: [ham-antennas] Newbie Question
> >
> > Multiband beams are not cheap
> > Sometimes you can find a used tribander for abt. 100 bucks
> > But not he best one and it is used ... so if cost is to be kept low I
> > would
> > use a wire antenna first to get on the air ... after that you can
> improve
> > your station with tower, beam, rotor etc ... but all tat would cost you
> an
> > arm and a leg compared to the wire antenna ..... so ...
> > To get on the air I woul recommend a ladderline fed doublet (or if you
> > have
> > room and some trees or wodden poles a loop)
> > Greetzs
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > antennas%40yahoogroups.com] Im

> > > Auftrag von Walt Wilson
> > > Gesendet: Dienstag, 6. September 2011 21:26
> > > An: mailto:ham-antennas%40yahoogroups.com
> > > Betreff: [ham-antennas] Newbie Question
> > >
> > >
> > >
> > > As a new member, I want to ask the group what a reasonable multiband
> > beam
> > > (2 or 3 element)will cost me. I am on a shoestring. Or would I do
> better
> > > with a wire/balun setup for cost purposes? Thanks for any ideas.
> > >
> > > Walt
> > >
> > >
> > >
> > >
> > >
> > > ---
> > >
> > > No virus found in this message.
> > > Checked by AVG - www.avg.com
> > > Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >
> >
> > ---
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11

[Non-text portions of this message have been removed]

19697. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 12:26:26 UTC
From: Chuck Schultz
Topic: 19668 Message: 19697

You have received some very good advice here. Just remember the perfect antenna is the one that fits your budget and your QTH . As a 30plus year Ham I have only seen one antenna installed exactly the way the book called for it. As a novice I had a 50ft tower and a 4ele. tri band antenna and a 40/80 trap dipole before I ever got my license back. I was converting over from a large CB set-up so the tower was there and I already was familiar with swapping and trading . I have always bought Swap fest towers for about $50.00 per section , that's $250.00 for 50ft. I just purchased another large triband for $100.00 . The array does not have to cost an arm and a leg. I had been a Ham over 20 years before I owned a tuner . Learn resonate antennas and how to resonant them . Chuck Wq5B
----- Original Message -----
From: Walt
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 07, 2011 6:56 AM
Subject: Re: [ham-antennas] Newbie Question

Thanks again. I will be working on these ideas.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 10:30 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Newbie Question

To start, you don’t need a balun or anything complex , just put up a dipole cut for 20M band and you are on the air. As you feel comfortable with the radio you can add the tuner and balun. The only reason I say start with a dipole is that it is simple and you want to have fun right off the bat. As you get a good feel with the radio then things can get more complex and you will always have this group the ask questions of as you go.. I build all my stuff, antennas, baluns and towers but then like good ole Waylon Jennings said, “I have always been crazy but it kept me from going insane”.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

From: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] On Behalf Of Walt
Sent: Tuesday, September 06, 2011 6:04 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Thanks for the advice. I am compiling what everyone says here. So far the wire/Balun is the choice of the majority. Thanks for the input.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 6:42 PM
To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] Newbie Question

Walt a small beam $200 to $500 dollars , a small rotor $500, a small tower and supplies, base and cables $1000, so you are close to $2000 and you are not on the air yet.

Wire and a balun for a $100 and you are on the air. If you scrounge and build then about $29 to $50. A wire antenna can be held up with anything non conductive. Double braided , extra treated Dacron is good but some nylon cord from Wal-Mart will work. It might not last 20 years but believe me you will change antenna designs more often than that.

Rich , Kd0zz

Subject: [ham-antennas] Newbie Question

As a new member, I want to ask the group what a reasonable multiband beam (2 or 3 element)will cost me. I am on a shoestring. Or would I do better with a wire/balun setup for cost purposes? Thanks for any ideas.

Walt

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19698. Re: Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 12:33:57 UTC
From: Walt Wilson
Topic: 19668 Message: 19698

OK, thanks Chuck. I can't do anything in a big hurry, but I can map it out.

Walt

--- In ham-antennas@yahoogroups.com, "Chuck Schultz" <wq5b@...> wrote:
>
> You have received some very good advice here. Just remember the perfect antenna is the one that fits your budget and your QTH . As a 30plus year Ham I have only seen one antenna installed exactly the way the book called for it. As a novice I had a 50ft tower and a 4ele. tri band antenna and a 40/80 trap dipole before I ever got my license back. I was converting over from a large CB set-up so the tower was there and I already was familiar with swapping and trading . I have always bought Swap fest towers for about $50.00 per section , that's $250.00 for 50ft. I just purchased another large triband for $100.00 . The array does not have to cost an arm and a leg. I had been a Ham over 20 years before I owned a tuner . Learn resonate antennas and how to resonant them . Chuck Wq5B
> ----- Original Message -----
> From: Walt
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, September 07, 2011 6:56 AM
> Subject: Re: [ham-antennas] Newbie Question
>
>
>
> Thanks again. I will be working on these ideas.
>
> From: Richard Schmuke
> Sent: Tuesday, September 06, 2011 10:30 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Newbie Question
>
> To start, you donâ□□t need a balun or anything complex , just put up a dipole cut for 20M band and you are on the air. As you feel comfortable with the radio you can add the tuner and balun. The only reason I say start with a dipole is that it is simple and you want to have fun right off the bat. As you get a good feel with the radio then things can get more complex and you will always have this group the ask questions of as you go.. I build all my stuff, antennas, baluns and towers but then like good ole Waylon Jennings said, â□□I have always been crazy but it kept me from going insaneâ□□.
>
> Rich ,KDÃ□ZZ , â□º
>
> from the middle of Missouri , out in the sticks with the hicks and the ticks.
>
> From: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] On Behalf Of Walt
> Sent: Tuesday, September 06, 2011 6:04 PM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: Re: [ham-antennas] Newbie Question

>
> Thanks for the advice. I am compiling what everyone says here. So far the wire/Balun is the choice of the majority. Thanks for the input.
>
> From: Richard Schmuke
> Sent: Tuesday, September 06, 2011 6:42 PM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: RE: [ham-antennas] Newbie Question
>
> Walt a small beam $200 to $500 dollars , a small rotor $500, a small tower
> and supplies, base and cables $1000, so you are close to $2000 and you are
> not on the air yet.
>
> Wire and a balun for a $100 and you are on the air. If you scrounge and
> build then about $29 to $50. A wire antenna can be held up with anything non
> conductive. Double braided , extra treated Dacron is good but some nylon
> cord from Wal-Mart will work. It might not last 20 years but believe me you
> will change antenna designs more often than that.
>
> Rich , Kd0zz
>
> Subject: [ham-antennas] Newbie Question
>
> As a new member, I want to ask the group what a reasonable multiband beam (2
> or 3 element)will cost me. I am on a shoestring. Or would I do better with a
> wire/balun setup for cost purposes? Thanks for any ideas.
>
> Walt
>
> [Non-text portions of this message have been removed]
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11
>
> [Non-text portions of this message have been removed]
>

>
>
>
>
> [Non-text portions of this message have been removed]
>

19699. RE: [ham-antennas] New to the group with questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 13:01:51 UTC
From: Richard Schmuke
Topic: 19690 Message: 19699

Subject: [ham-antennas] New to the group with questions

HI:

Which brings up another question. Has anyone added a 17 meter leg to a forty meter dipole with balun and get by with an internal tuner that is only reliable to tune not worse than a 2:1? I've done it with 20 meters which was easy many years ago, after I tweaked the forty perfect flat without a tuner. If I remember correctly, also 15 meters, and I think I had a 1:1 balun in the middle of it all as well. Back then, 17 meter band did not exist.

I did it with my antenna. The only advice I would add is to make the 17M leg a little long as then tweak it in. It will react to the 40M leg depending how close it is so an exact length is different for each application. I also had 20M between them.

Rich, Kd0zz

<http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnN3N1djYxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMzE1MzY0NDYw?o=6> New Members 16

.
<http://groups.yahoo.com/group/ham-antennas/links;_ylc=X3oDMTJoNHJzYjB0BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bGlua3MEc3RpbWUDMTMxNTM2NDQ2MA--> New Links 1

<http://groups.yahoo.com/group/ham-antennas;_ylc=X3oDMTJmZ3B1dGc2BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEzMTUzNjQ0NjA-> Visit Your Group

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

MARKETPLACE

A bad score is 579. A good idea is checking yours at freecreditscore.com.
<http://global.ard.yahoo.com/SIG=15ovpv9bi/M=791726.14847541.14590405.10835568/D=groups/S=1705063108:MKP1/Y=YAHOO/EXP=1315371660/L=9db0fbb6-d8fd-11e0-9505-3be217d75661/B=9yRGP9j8fbk-/J=1315364460498302/K=U4RlRMMuj63zPUpkPoFtfg/A=6475085/R=0/SIG=1309nvt92/*http:/www.freecreditscore.com/dni/default.aspx?S

iteVersionID=997&sc=671266&bcd=YGROUPS_Bad579> Image removed by sender.

_____

Stay on top of your group activity without leaving the page you're on - Get the Yahoo! Toolbar now.
<http://global.ard.yahoo.com/SIG=15okocbf5/M=493064.14543979.14562481.13298430/D=groups/S=1705063108:MKP1/Y=YAHOO/EXP=1315371660/L=9db0fbb6-d8fd-11e0-9505-3be217d75661/B=.CRGP9j8fbk-/J=1315364460498302/K=U4RlRMMuj63zPUpkPoFtfg/A=6060255/R=0/SIG=1194m4keh/*http:/us.toolbar.yahoo.com/?.cpdl=grpj>

Image removed by sender.

<http://groups.yahoo.com/;_ylc=X3oDMTJlNHJrNmw2BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMxNTM2NDQ2MA--> Image removed by sender. Yahoo! Groups

Switch to:
<mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional> Text-Only,
<mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest> Daily Digest .
<mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe>
Unsubscribe . <http://docs.yahoo.com/info/terms/> Terms of Use

.

Image removed by sender.

[Non-text portions of this message have been removed]

19700. Re: [ham-antennas] New to the group with questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 13:49:38 UTC
From: dean
Topic: 19690 Message: 19700

I have two inverted V's at my house. I used to think it was a fan dipole but its two dipoles perpendicular to each other. At any rate they will tune with a external tuner on 6 to 80 M. The internal tuner will tune the antenna on 75,40,17,15,12,10. All it is is 80 Meters, N – S and 40 Meters, E – W. Works great but I also have a lot of room. I can't use most of my property for antennas as the property is not flat. I also have a beam for my 20 meter work but when hitting a lot of people in different parts of the country a dipole works great.

73, WY6L
From: Richard Schmuke
Sent: Wednesday, September 07, 2011 6:01 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] New to the group with questions

Subject: [ham-antennas] New to the group with questions

HI:

Which brings up another question. Has anyone added a 17 meter leg to a forty meter dipole with balun and get by with an internal tuner that is only reliable to tune not worse than a 2:1? I've done it with 20 meters which was easy many years ago, after I tweaked the forty perfect flat without a tuner. If I remember correctly, also 15 meters, and I think I had a 1:1 balun in the middle of it all as well. Back then, 17 meter band did not exist.

I did it with my antenna. The only advice I would add is to make the 17M leg a little long as then tweak it in. It will react to the 40M leg depending how close it is so an exact length is different for each application. I also had 20M between them.

Rich, Kd0zz

<http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnN3N1djYxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMzE1MzY0NDYw?o=6> New Members 16

.
<http://groups.yahoo.com/group/ham-antennas/links;_ylc=X3oDMTJoNHJzYjB0BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bGlua3MEc3RpbWUDMTMxNTM2NDQ2MA--> New Links 1

<http://groups.yahoo.com/group/ham-antennas;_ylc=X3oDMTJmZ3B1dGc2BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEzMTUzNjQ0NjA-> Visit Your Group

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com

MARKETPLACE

A bad score is 579. A good idea is checking yours at freecreditscore.com.
<http://global.ard.yahoo.com/SIG=15ovpv9bi/M=791726.14847541.14590405.108355
68/D=groups/S=1705063108:MKP1/Y=YAHOO/EXP=1315371660/L=9db0fbb6-d8fd-11e0-95
05-3be217d75661/B=9yRGP9j8fbk-/J=1315364460498302/K=U4RlRMMuj63zPUpkPoFtfg/A
=6475085/R=0/SIG=1309nvt92/*http:/www.freecreditscore.com/dni/default.aspx?S
iteVersionID=997&sc=671266&bcd=YGROUPS_Bad579> Image removed by sender.

_____

Stay on top of your group activity without leaving the page you're on - Get
the Yahoo! Toolbar now.
<http://global.ard.yahoo.com/SIG=15okocbf5/M=493064.14543979.14562481.132984
30/D=groups/S=1705063108:MKP1/Y=YAHOO/EXP=1315371660/L=9db0fbb6-d8fd-11e0-95
05-3be217d75661/B=.CRGP9j8fbk-/J=1315364460498302/K=U4RlRMMuj63zPUpkPoFtfg/A
=6060255/R=0/SIG=1194m4keh/*http:/us.toolbar.yahoo.com/?.cpdl=grpj>

Image removed by sender.

<http://groups.yahoo.com/;_ylc=X3oDMTJlNHJrNmw2BF9TAzk3MzU5NzE0BGdycElkAzEyM
zA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMxNTM2NDQ2M
A--> Image removed by sender. Yahoo! Groups

Switch to:
<mailto:mailto:ham-antennas-traditional%40yahoogroups.com?subject=Change%20Delivery%2
0Format:%20Traditional> Text-Only,
<mailto:mailto:ham-antennas-digest%40yahoogroups.com?subject=Email%20Delivery:%20Dige
st> Daily Digest .
<mailto:mailto:ham-antennas-unsubscribe%40yahoogroups.com?subject=Unsubscribe>
Unsubscribe . <http://docs.yahoo.com/info/terms/> Terms of Use

.

Image removed by sender.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19701. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 13:55:52 UTC
From: dean
Topic: 19668 Message: 19701

Just remember if you don't feel like making the "Ugly Balun" just take 8 to 10 turns of your coax to make a balun and that will keep the RF out of your shack. You can also use just RG-8X and it'll work just great also. I'm using LMR 400 but that is just me.

WY6L

From: Walt
Sent: Wednesday, September 07, 2011 4:56 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Thanks again. I will be working on these ideas.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 10:30 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: RE: [ham-antennas] Newbie Question

To start, you don't need a balun or anything complex , just put up a dipole cut for 20M band and you are on the air. As you feel comfortable with the radio you can add the tuner and balun. The only reason I say start with a dipole is that it is simple and you want to have fun right off the bat. As you get a good feel with the radio then things can get more complex and you will always have this group the ask questions of as you go.. I build all my stuff, antennas, baluns and towers but then like good ole Waylon Jennings said, "I have always been crazy but it kept me from going insane".

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

From: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] On Behalf Of Walt
Sent: Tuesday, September 06, 2011 6:04 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Thanks for the advice. I am compiling what everyone says here. So far the wire/Balun is the choice of the majority. Thanks for the input.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 6:42 PM
To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] Newbie Question

Walt a small beam $200 to $500 dollars , a small rotor $500, a small tower
and supplies, base and cables $1000, so you are close to $2000 and you are
not on the air yet.

Wire and a balun for a $100 and you are on the air. If you scrounge and build then about $29 to $50. A wire antenna can be held up with anything non conductive. Double braided , extra treated Dacron is good but some nylon cord from Wal-Mart will work. It might not last 20 years but believe me you will change antenna designs more often than that.

Rich , Kd0zz

Subject: [ham-antennas] Newbie Question

As a new member, I want to ask the group what a reasonable multiband beam (2 or 3 element)will cost me. I am on a shoestring. Or would I do better with a wire/balun setup for cost purposes? Thanks for any ideas.

Walt

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19702. Re: [ham-antennas] Newbie Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 14:12:06 UTC
From: Walt
Topic: 19668 Message: 19702

Got it. I was out checking on some old antenna parts I had where a tower fell years ago. Someone beat me to it. Just a few buried radials.

Walt

From: dean
Sent: Wednesday, September 07, 2011 9:55 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Just remember if you don't feel like making the "Ugly Balun" just take 8 to 10 turns of your coax to make a balun and that will keep the RF out of your shack. You can also use just RG-8X and it'll work just great also. I'm using LMR 400 but that is just me.

WY6L

From: Walt
Sent: Wednesday, September 07, 2011 4:56 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Thanks again. I will be working on these ideas.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 10:30 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: RE: [ham-antennas] Newbie Question

To start, you don't need a balun or anything complex , just put up a dipole cut for 20M band and you are on the air. As you feel comfortable with the radio you can add the tuner and balun. The only reason I say start with a dipole is that it is simple and you want to have fun right off the bat. As you get a good feel with the radio then things can get more complex and you will always have this group the ask questions of as you go.. I build all my stuff, antennas, baluns and towers but then like good ole Waylon Jennings said, "I have always been crazy but it kept me from going insane".

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

From: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] On Behalf Of Walt
Sent: Tuesday, September 06, 2011 6:04 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Newbie Question

Thanks for the advice. I am compiling what everyone says here. So far the wire/Balun is the choice of the majority. Thanks for the input.

From: Richard Schmuke
Sent: Tuesday, September 06, 2011 6:42 PM
To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] Newbie Question

Walt a small beam $200 to $500 dollars , a small rotor $500, a small tower and supplies, base and cables $1000, so you are close to $2000 and you are not on the air yet.

Wire and a balun for a $100 and you are on the air. If you scrounge and build then about $29 to $50. A wire antenna can be held up with anything non conductive. Double braided , extra treated Dacron is good but some nylon cord from Wal-Mart will work. It might not last 20 years but believe me you will change antenna designs more often than that.

Rich , Kd0zz

Subject: [ham-antennas] Newbie Question

As a new member, I want to ask the group what a reasonable multiband beam (2 or 3 element)will cost me. I am on a shoestring. Or would I do better with a wire/balun setup for cost purposes? Thanks for any ideas.

Walt

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3879 - Release Date: 09/05/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11

[Non-text portions of this message have been removed]

19703. Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 14:47:10 UTC
From: daverickmers
Topic: 19682 Message: 19703

I have a Diamond pill type arrester outside on a plate attached to my ground system. Can't you put the Polyphaser at the drip loop and Tee off to Antenna and Ground? I wouldn't risk letting lightning get too close to the radio.

--- In ham-antennas@yahoogroups.com, "m0tim" <timbarrett@...> wrote:
>
> My antenna transmission line runs underground from the wire antenna to my basement radio room in plastic schedule 40 conduit and through the concrete wall.
>
> I want to put lightning protection before it enters the house and have a plastic wall mountable Harger case and Polyphaser lightening arrester.
>
> The problems is that there is no room on the outside wall where the conduit enters the house to mount the case, the nearest I can get is 6 feet away. I want to avoid having to move the exiting conduit so my plan is to put a sched 40 tee piece in just where the coax enters the house run the cable 6 feet to the Harger box and the arrester and then run it back down the same 6 ft of sk 40 to the entrance hole.
>
> My question is if this negates the whole purpose of the lightening arrester. Would teh lightning just across from one cable to the other and just bypass the arrester?
>
> Thanks and 73
>
> Tim K9VB
>

19704. Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 15:27:34 UTC
From: fred
Topic: 19682 Message: 19704

If you have soil aroung where the conduit goes through the basement wall like I do set a metal or a treated 4x4 post and mount teh box to it . I have not mounted my arresters yet but will probably attach them to the lower section of the push up pole . I usually just disconnect the antennas where the cozx enters the basement and drop the coax on the ground in the yard .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "daverickmers" <daverickmers@...> wrote:
>
> I have a Diamond pill type arrester outside on a plate attached to my ground system. Can't you put the Polyphaser at the drip loop and Tee off to Antenna and Ground? I wouldn't risk letting lightning get too close to the radio.
>
> --- In ham-antennas@yahoogroups.com, "m0tim" <timbarrett@> wrote:
> >
> > My antenna transmission line runs underground from the wire antenna to my basement radio room in plastic schedule 40 conduit and through the concrete wall.
> >
> > I want to put lightning protection before it enters the house and have a plastic wall mountable Harger case and Polyphaser lightening arrester.
> >
> > The problems is that there is no room on the outside wall where the conduit enters the house to mount the case, the nearest I can get is 6 feet away. I want to avoid having to move the exiting conduit so my plan is to put a sched 40 tee piece in just where the coax enters the house run the cable 6 feet to the Harger box and the arrester and then run it back down the same 6 ft of sk 40 to the entrance hole.
> >
> > My question is if this negates the whole purpose of the lightening arrester. Would teh lightning just across from one cable to the other and just bypass the arrester?
> >
> > Thanks and 73
> >
> > Tim K9VB
> >
>

19705. Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 18:27:15 UTC
From: Stan Labinsky Jr.
Topic: 19682 Message: 19705

Gents... and ladies, too;

The farther away the lightning arrestor is from the radio, or what ever you're protecting, if you're working with coax, will loose its effectiveness.

I'll share something I was ignorant of, but when explained it was a "I could've had a V-8" moment.

If you take a long piece of coax, tie the shield and center conductor together at the end away from the radio and then zap that point with a large voltage spike to ground what will happen?

Even though the coax is grounded at the radio end, you can still have a destructive spike delivered to the radio. HOW, you ask??

It all has to do with the "velocity of propagation" (Vp) through the cable. That's that pesky bit that has to be figured in when doing phasing line and 1/2 wave balun designs.

What it (Vp) does is to delay the delivery of the spike at the radio end. At the antenna end (where we put our short) the spike is in phase on both the shield and center conductor. But at the radio end, the shield spike will arrive first and make its way to ground, you did ground the radio chassis, right? Then the delayed center conductor spike shows up.

So what you say!! Well, if you hit both the radio chassis AND antenna input at EXACTLY the same time with the spike, the DIFFERENTIAL (and it is always the differential that kills you) will be ZERO. But, crank in the delay through the cable and you now have... DIFFERENTIAL across the radio's antenna input... and POOF! There goes my "hears a pin drop on Mars" sensitivity.

So, the arrestor is placed at or near the radio's input do deal with that differential. Install it closer to the antenna and the cable between the arrestor and the radio will be able to re-create the differential spike with possibly poor results.

Oh, and reference the DC grounded antenna designs... For lightning, they are the same as the short we introduced in our science experiment above. But consider this; at the frequency of interest, 2 meters, twenty meters, etc. they are NOT shorted! Otherwise they wouldn't work too well.
That's why a nearby strike can induce a pulse into your antenna and its own internal tuning circuits will produce a pulse of strike energy to your radio.

That's how PolyPhaser told it to me...

Stan

----- Original Message -----
From: daverickmers
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 07, 2011 10:47 AM

Subject: [ham-antennas] Re: Lightning Protection in my Transmission Line

I have a Diamond pill type arrester outside on a plate attached to my ground system. Can't you put the Polyphaser at the drip loop and Tee off to Antenna and Ground? I wouldn't risk letting lightning get too close to the radio.

--- In ham-antennas@yahoogroups.com, "m0tim" <timbarrett@...> wrote:
>
> My antenna transmission line runs underground from the wire antenna to my basement radio room in plastic schedule 40 conduit and through the concrete wall.
>
> I want to put lightning protection before it enters the house and have a plastic wall mountable Harger case and Polyphaser lightening arrester.
>
> The problems is that there is no room on the outside wall where the conduit enters the house to mount the case, the nearest I can get is 6 feet away. I want to avoid having to move the exiting conduit so my plan is to put a sched 40 tee piece in just where the coax enters the house run the cable 6 feet to the Harger box and the arrester and then run it back down the same 6 ft of sk 40 to the entrance hole.
>
> My question is if this negates the whole purpose of the lightening arrester. Would teh lightning just across from one cable to the other and just bypass the arrester?
>
> Thanks and 73
>
> Tim K9VB
>

[Non-text portions of this message have been removed]

19706. Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 19:17:46 UTC
From: Bob Macklin
Topic: 19682 Message: 19706

We've been through this before!

The only positive way to protect your radio from lightning is to disconnect it when it is not in use.

They can even be destroyed by a powerline hit!

I had 4 years of lightning protection experience working for NASA in the 80's.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

----- Original Message -----
From: Stan Labinsky Jr.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 07, 2011 11:27 AM
Subject: Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Gents... and ladies, too;

The farther away the lightning arrestor is from the radio, or what ever you're protecting, if you're working with coax, will loose its effectiveness.

I'll share something I was ignorant of, but when explained it was a "I could've had a V-8" moment.

If you take a long piece of coax, tie the shield and center conductor together at the end away from the radio and then zap that point with a large voltage spike to ground what will happen?

Even though the coax is grounded at the radio end, you can still have a destructive spike delivered to the radio. HOW, you ask??

It all has to do with the "velocity of propagation" (Vp) through the cable. That's that pesky bit that has to be figured in when doing phasing line and 1/2 wave balun designs.

What it (Vp) does is to delay the delivery of the spike at the radio end. At the antenna end (where we put our short) the spike is in phase on both the shield and center conductor. But at the radio end, the shield spike will arrive first and make its way to ground, you did ground the radio chassis, right? Then the delayed center conductor spike shows up.

So what you say!! Well, if you hit both the radio chassis AND antenna input at EXACTLY the same time with the spike, the DIFFERENTIAL (and it is always the differential that kills you) will be ZERO. But, crank in the delay through the cable and you now have... DIFFERENTIAL across the radio's antenna input... and POOF! There goes my "hears a pin drop on Mars" sensitivity.

So, the arrestor is placed at or near the radio's input do deal with that differential. Install it closer to the antenna and the cable between the arrestor and the radio will be able to re-create the differential spike with possibly poor results.

Oh, and reference the DC grounded antenna designs... For lightning, they are the same as the short we introduced in our science experiment above. But consider this; at the frequency of interest, 2 meters, twenty meters, etc. they are NOT shorted! Otherwise they wouldn't work too well.
That's why a nearby strike can induce a pulse into your antenna and its own internal tuning circuits will produce a pulse of strike energy to your radio.

That's how PolyPhaser told it to me...

Stan

----- Original Message -----
From: daverickmers
To: ham-antennas@yahoogroups.com
Sent: Wednesday, September 07, 2011 10:47 AM
Subject: [ham-antennas] Re: Lightning Protection in my Transmission Line

I have a Diamond pill type arrester outside on a plate attached to my ground system. Can't you put the Polyphaser at the drip loop and Tee off to Antenna and Ground? I wouldn't risk letting lightning get too close to the radio.

--- In ham-antennas@yahoogroups.com, "m0tim" <timbarrett@...> wrote:
>
> My antenna transmission line runs underground from the wire antenna to my basement radio room in plastic schedule 40 conduit and through the concrete wall.
>
> I want to put lightning protection before it enters the house and have a plastic wall mountable Harger case and Polyphaser lightening arrester.
>
> The problems is that there is no room on the outside wall where the conduit enters the house to mount the case, the nearest I can get is 6 feet away. I want to avoid having to move the exiting conduit so my plan is to put a sched 40 tee piece in just where the coax enters the house run the cable 6 feet to the Harger box and the arrester and then run it back down the same 6 ft of sk 40 to the entrance hole.
>
> My question is if this negates the whole purpose of the lightening arrester. Would teh lightning just across from one cable to the other and just bypass the arrester?
>
> Thanks and 73
>
> Tim K9VB
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19707. Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 20:21:19 UTC
From: Benjamin Straw
Topic: 19682 Message: 19707

Have a look a what this guy (kc9cs) has done with grounding, it might just
help
http://home1.gte.net/res0958z/

On Wed, Sep 7, 2011 at 2:17 PM, Bob Macklin <macklinbob@...> wrote:

> **
>
>
> We've been through this before!
>
> The only positive way to protect your radio from lightning is to disconnect
> it when it is not in use.
>
> They can even be destroyed by a powerline hit!
>
> I had 4 years of lightning protection experience working for NASA in the
> 80's.
>
> Bob Macklin
> K5MYJ
> Seattle, Wa.
> "Real Radios Glow In The Dark"
>
>
> ----- Original Message -----
> From: Stan Labinsky Jr.
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, September 07, 2011 11:27 AM
> Subject: Re: [ham-antennas] Re: Lightning Protection in my Transmission
> Line
>
> Gents... and ladies, too;
>
> The farther away the lightning arrestor is from the radio, or what ever
> you're protecting, if you're working with coax, will loose its
> effectiveness.
>
> I'll share something I was ignorant of, but when explained it was a "I
> could've had a V-8" moment.
>
> If you take a long piece of coax, tie the shield and center conductor
> together at the end away from the radio and then zap that point with a large
> voltage spike to ground what will happen?
>

> Even though the coax is grounded at the radio end, you can still have a
> destructive spike delivered to the radio. HOW, you ask??
>
> It all has to do with the "velocity of propagation" (Vp) through the cable.
> That's that pesky bit that has to be figured in when doing phasing line and
> 1/2 wave balun designs.
>
> What it (Vp) does is to delay the delivery of the spike at the radio end.
> At the antenna end (where we put our short) the spike is in phase on both
> the shield and center conductor. But at the radio end, the shield spike will
> arrive first and make its way to ground, you did ground the radio chassis,
> right? Then the delayed center conductor spike shows up.
>
> So what you say!! Well, if you hit both the radio chassis AND antenna input
> at EXACTLY the same time with the spike, the DIFFERENTIAL (and it is always
> the differential that kills you) will be ZERO. But, crank in the delay
> through the cable and you now have... DIFFERENTIAL across the radio's
> antenna input... and POOF! There goes my "hears a pin drop on Mars"
> sensitivity.
>
> So, the arrestor is placed at or near the radio's input do deal with that
> differential. Install it closer to the antenna and the cable between the
> arrestor and the radio will be able to re-create the differential spike with
> possibly poor results.
>
> Oh, and reference the DC grounded antenna designs... For lightning, they
> are the same as the short we introduced in our science experiment above. But
> consider this; at the frequency of interest, 2 meters, twenty meters, etc.
> they are NOT shorted! Otherwise they wouldn't work too well.
> That's why a nearby strike can induce a pulse into your antenna and its own
> internal tuning circuits will produce a pulse of strike energy to your
> radio.
>
> That's how PolyPhaser told it to me...
>
> Stan
>
> ----- Original Message -----
> From: daverickmers
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, September 07, 2011 10:47 AM
> Subject: [ham-antennas] Re: Lightning Protection in my Transmission Line
>
> I have a Diamond pill type arrester outside on a plate attached to my
> ground system. Can't you put the Polyphaser at the drip loop and Tee off to
> Antenna and Ground? I wouldn't risk letting lightning get too close to the
> radio.
>
> --- In ham-antennas@yahoogroups.com, "m0tim" <timbarrett@...> wrote:
> >

> > My antenna transmission line runs underground from the wire antenna to my
> basement radio room in plastic schedule 40 conduit and through the concrete
> wall.
> >
> > I want to put lightning protection before it enters the house and have a
> plastic wall mountable Harger case and Polyphaser lightening arrester.
> >
> > The problems is that there is no room on the outside wall where the
> conduit enters the house to mount the case, the nearest I can get is 6 feet
> away. I want to avoid having to move the exiting conduit so my plan is to
> put a sched 40 tee piece in just where the coax enters the house run the
> cable 6 feet to the Harger box and the arrester and then run it back down
> the same 6 ft of sk 40 to the entrance hole.
> >
> > My question is if this negates the whole purpose of the lightening
> arrester. Would teh lightning just across from one cable to the other and
> just bypass the arrester?
> >
> > Thanks and 73
> >
> > Tim K9VB
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

--
73, Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

19708. Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 20:30:36 UTC
From: Joe
Topic: 19682 Message: 19708

Geez,

1 KW in the shack and 1 watt at the antennas probably with all those
barrells. UG!

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/7/2011 3:21 PM, Benjamin Straw wrote:
> Have a look a what this guy (kc9cs) has done with grounding, it might just
> help
> http://home1.gte.net/res0958z/
>
> On Wed, Sep 7, 2011 at 2:17 PM, Bob Macklin<macklinbob@...> wrote:
>
>> **
>>
>>
>> We've been through this before!
>>
>> The only positive way to protect your radio from lightning is to disconnect
>> it when it is not in use.
>>
>> They can even be destroyed by a powerline hit!
>>
>> I had 4 years of lightning protection experience working for NASA in the
>> 80's.
>>
>> Bob Macklin
>> K5MYJ
>> Seattle, Wa.
>> "Real Radios Glow In The Dark"
>>
>>
>> ----- Original Message -----
>> From: Stan Labinsky Jr.
>> To: ham-antennas@yahoogroups.com
>> Sent: Wednesday, September 07, 2011 11:27 AM
>> Subject: Re: [ham-antennas] Re: Lightning Protection in my Transmission
>> Line
>>
>> Gents... and ladies, too;

>>
>> The farther away the lightning arrestor is from the radio, or what ever
>> you're protecting, if you're working with coax, will loose its
>> effectiveness.
>>
>> I'll share something I was ignorant of, but when explained it was a "I
>> could've had a V-8" moment.
>>
>> If you take a long piece of coax, tie the shield and center conductor
>> together at the end away from the radio and then zap that point with a large
>> voltage spike to ground what will happen?
>>
>> Even though the coax is grounded at the radio end, you can still have a
>> destructive spike delivered to the radio. HOW, you ask??
>>
>> It all has to do with the "velocity of propagation" (Vp) through the cable.
>> That's that pesky bit that has to be figured in when doing phasing line and
>> 1/2 wave balun designs.
>>
>> What it (Vp) does is to delay the delivery of the spike at the radio end.
>> At the antenna end (where we put our short) the spike is in phase on both
>> the shield and center conductor. But at the radio end, the shield spike will
>> arrive first and make its way to ground, you did ground the radio chassis,
>> right? Then the delayed center conductor spike shows up.
>>
>> So what you say!! Well, if you hit both the radio chassis AND antenna input
>> at EXACTLY the same time with the spike, the DIFFERENTIAL (and it is always
>> the differential that kills you) will be ZERO. But, crank in the delay
>> through the cable and you now have... DIFFERENTIAL across the radio's
>> antenna input... and POOF! There goes my "hears a pin drop on Mars"
>> sensitivity.
>>
>> So, the arrestor is placed at or near the radio's input do deal with that
>> differential. Install it closer to the antenna and the cable between the
>> arrestor and the radio will be able to re-create the differential spike with
>> possibly poor results.
>>
>> Oh, and reference the DC grounded antenna designs... For lightning, they
>> are the same as the short we introduced in our science experiment above. But
>> consider this; at the frequency of interest, 2 meters, twenty meters, etc.
>> they are NOT shorted! Otherwise they wouldn't work too well.
>> That's why a nearby strike can induce a pulse into your antenna and its own
>> internal tuning circuits will produce a pulse of strike energy to your
>> radio.
>>
>> That's how PolyPhaser told it to me...
>>
>> Stan
>>
>> ----- Original Message -----

>> From: daverickmers
>> To: ham-antennas@yahoogroups.com
>> Sent: Wednesday, September 07, 2011 10:47 AM
>> Subject: [ham-antennas] Re: Lightning Protection in my Transmission Line
>>
>> I have a Diamond pill type arrester outside on a plate attached to my
>> ground system. Can't you put the Polyphaser at the drip loop and Tee off to
>> Antenna and Ground? I wouldn't risk letting lightning get too close to the
>> radio.
>>
>> --- In ham-antennas@yahoogroups.com, "m0tim"<timbarrett@...> wrote:
>>> My antenna transmission line runs underground from the wire antenna to my
>> basement radio room in plastic schedule 40 conduit and through the concrete
>> wall.
>>> I want to put lightning protection before it enters the house and have a
>> plastic wall mountable Harger case and Polyphaser lightening arrester.
>>> The problems is that there is no room on the outside wall where the
>> conduit enters the house to mount the case, the nearest I can get is 6 feet
>> away. I want to avoid having to move the exiting conduit so my plan is to
>> put a sched 40 tee piece in just where the coax enters the house run the
>> cable 6 feet to the Harger box and the arrester and then run it back down
>> the same 6 ft of sk 40 to the entrance hole.
>>> My question is if this negates the whole purpose of the lightening
>> arrester. Would teh lightning just across from one cable to the other and
>> just bypass the arrester?
>>> Thanks and 73
>>>
>>> Tim K9VB
>>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>

[Non-text portions of this message have been removed]

19709. Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 20:55:00 UTC
From: Walt
Topic: 19682 Message: 19709

Good grief, can anyone say overkill. I have never seen anything like this before

From: Joe
Sent: Wednesday, September 07, 2011 4:30 PM
To: ham-antennas@yahoogroups.com
Cc: Benjamin Straw
Subject: Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Geez,

1 KW in the shack and 1 watt at the antennas probably with all those
barrells. UG!

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/7/2011 3:21 PM, Benjamin Straw wrote:
> Have a look a what this guy (kc9cs) has done with grounding, it might just
> help
> http://home1.gte.net/res0958z/
>
> On Wed, Sep 7, 2011 at 2:17 PM, Bob Macklin<mailto:macklinbob%40msn.com> wrote:
>
>> **
>>
>>
>> We've been through this before!
>>
>> The only positive way to protect your radio from lightning is to disconnect
>> it when it is not in use.
>>
>> They can even be destroyed by a powerline hit!
>>
>> I had 4 years of lightning protection experience working for NASA in the
>> 80's.
>>
>> Bob Macklin
>> K5MYJ
>> Seattle, Wa.
>> "Real Radios Glow In The Dark"
>>
>>

>> ----- Original Message -----
>> From: Stan Labinsky Jr.
>> To: mailto:ham-antennas%40yahoogroups.com
>> Sent: Wednesday, September 07, 2011 11:27 AM
>> Subject: Re: [ham-antennas] Re: Lightning Protection in my Transmission
>> Line
>>
>> Gents... and ladies, too;
>>
>> The farther away the lightning arrestor is from the radio, or what ever
>> you're protecting, if you're working with coax, will loose its
>> effectiveness.
>>
>> I'll share something I was ignorant of, but when explained it was a "I
>> could've had a V-8" moment.
>>
>> If you take a long piece of coax, tie the shield and center conductor
>> together at the end away from the radio and then zap that point with a large
>> voltage spike to ground what will happen?
>>
>> Even though the coax is grounded at the radio end, you can still have a
>> destructive spike delivered to the radio. HOW, you ask??
>>
>> It all has to do with the "velocity of propagation" (Vp) through the cable.
>> That's that pesky bit that has to be figured in when doing phasing line and
>> 1/2 wave balun designs.
>>
>> What it (Vp) does is to delay the delivery of the spike at the radio end.
>> At the antenna end (where we put our short) the spike is in phase on both
>> the shield and center conductor. But at the radio end, the shield spike will
>> arrive first and make its way to ground, you did ground the radio chassis,
>> right? Then the delayed center conductor spike shows up.
>>
>> So what you say!! Well, if you hit both the radio chassis AND antenna input
>> at EXACTLY the same time with the spike, the DIFFERENTIAL (and it is always
>> the differential that kills you) will be ZERO. But, crank in the delay
>> through the cable and you now have... DIFFERENTIAL across the radio's
>> antenna input... and POOF! There goes my "hears a pin drop on Mars"
>> sensitivity.
>>
>> So, the arrestor is placed at or near the radio's input do deal with that
>> differential. Install it closer to the antenna and the cable between the
>> arrestor and the radio will be able to re-create the differential spike with
>> possibly poor results.
>>
>> Oh, and reference the DC grounded antenna designs... For lightning, they
>> are the same as the short we introduced in our science experiment above. But
>> consider this; at the frequency of interest, 2 meters, twenty meters, etc.
>> they are NOT shorted! Otherwise they wouldn't work too well.
>> That's why a nearby strike can induce a pulse into your antenna and its own

>> internal tuning circuits will produce a pulse of strike energy to your
>> radio.
>>
>> That's how PolyPhaser told it to me...
>>
>> Stan
>>
>> ----- Original Message -----
>> From: daverickmers
>> To: mailto:ham-antennas%40yahoogroups.com
>> Sent: Wednesday, September 07, 2011 10:47 AM
>> Subject: [ham-antennas] Re: Lightning Protection in my Transmission Line
>>
>> I have a Diamond pill type arrester outside on a plate attached to my
>> ground system. Can't you put the Polyphaser at the drip loop and Tee off to
>> Antenna and Ground? I wouldn't risk letting lightning get too close to the
>> radio.
>>
>> --- In mailto:ham-antennas%40yahoogroups.com, "m0tim"<timbarrett@...> wrote:
>>> My antenna transmission line runs underground from the wire antenna to my
>> basement radio room in plastic schedule 40 conduit and through the concrete
>> wall.
>>> I want to put lightning protection before it enters the house and have a
>> plastic wall mountable Harger case and Polyphaser lightening arrester.
>>> The problems is that there is no room on the outside wall where the
>> conduit enters the house to mount the case, the nearest I can get is 6 feet
>> away. I want to avoid having to move the exiting conduit so my plan is to
>> put a sched 40 tee piece in just where the coax enters the house run the
>> cable 6 feet to the Harger box and the arrester and then run it back down
>> the same 6 ft of sk 40 to the entrance hole.
>>> My question is if this negates the whole purpose of the lightening
>> arrester. Would teh lightning just across from one cable to the other and
>> just bypass the arrester?
>>> Thanks and 73
>>>
>>> Tim K9VB
>>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11

[Non-text portions of this message have been removed]

19710. Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 23:39:16 UTC
From: radiotech750
Topic: 19710 Message: 19710

Well the cable guy was here and in his words(there is nothing wrong with the cable or ground".
I did some more RF snooping and found about 30db of noise coming from each cable box in the house! I was told there is nothing we can do about that!
Is the a filter out there to get rid of this hash noise?

thanks
Ernie

19711. Re: [ham-antennas] Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 23:49:19 UTC
From: Benjamin Straw
Topic: 19710 Message: 19711

Question what company is it? Comcast, Att, or other
If it was Comcast than they sent a contractor... and they dont know jack
from the back of there hand. all you have to do is call them back and tell
them you want a "In House Tech" they know about line noise and leakage.
Att's techs are not contracted out (Union), so all you have to do is ask for
another more qualified tech.
Others may very sorry.

On Wed, Sep 7, 2011 at 6:39 PM, radiotech750 <ranger2995@...> wrote:

> **
>
>
> Well the cable guy was here and in his words(there is nothing wrong with
> the cable or ground".
> I did some more RF snooping and found about 30db of noise coming from each
> cable box in the house! I was told there is nothing we can do about that!
> Is the a filter out there to get rid of this hash noise?
>
> thanks
> Ernie
>
>
>

--
73, Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

19712. Re: [ham-antennas] Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-07 23:53:42 UTC
From: Joe
Topic: 19710 Message: 19712

Then threaten them with the FCC too. Yeah now days that probably won't
do much. But I knew a time in the 80's where i had horrid power line
noise and after like 3 years of complaining I made a simple tape
recording showing how bad it was and sent it off to the FCC and less
than a month later I got a letter back from the FCC saying the power
company should be in the area in a week or so to fix it. and they did.

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/7/2011 6:49 PM, Benjamin Straw wrote:
> Question what company is it? Comcast, Att, or other
> If it was Comcast than they sent a contractor... and they dont know jack
> from the back of there hand. all you have to do is call them back and tell
> them you want a "In House Tech" they know about line noise and leakage.
> Att's techs are not contracted out (Union), so all you have to do is ask for
> another more qualified tech.
> Others may very sorry.
>
>
> On Wed, Sep 7, 2011 at 6:39 PM, radiotech750<ranger2995@...> wrote:
>
>> **
>>
>>
>> Well the cable guy was here and in his words(there is nothing wrong with
>> the cable or ground".
>> I did some more RF snooping and found about 30db of noise coming from each
>> cable box in the house! I was told there is nothing we can do about that!
>> Is the a filter out there to get rid of this hash noise?
>>
>> thanks
>> Ernie
>>
>>
>>
>
>

[Non-text portions of this message have been removed]

19713. Re: [ham-antennas] Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 00:08:55 UTC
From: Benjamin Straw
Topic: 19710 Message: 19713

Also as a ham you have the right to have an RFI free home, if the box that you rent is causing rfi than you have the right to bug the hell out of them till they fix it!
I had a problem with my Comcast internet that took 16 calls 31 techs (9 house and 22 contractors, five of those contractors I had to toss out of my house) and over a year to fix!
I gave up switched to att 6 months into the problem. 6 months later comcast called me and said it was fixed and would I like to become a customer again... No thank you, not after that mess.

On Wed, Sep 7, 2011 at 6:49 PM, Benjamin Straw <kc9uns@gmail.com> wrote:

> Question what company is it? Comcast, Att, or other
> If it was Comcast than they sent a contractor... and they dont know jack
> from the back of there hand. all you have to do is call them back and tell
> them you want a "In House Tech" they know about line noise and leakage.
> Att's techs are not contracted out (Union), so all you have to do is ask
> for another more qualified tech.
> Others may very sorry.
>
>
> On Wed, Sep 7, 2011 at 6:39 PM, radiotech750 <ranger2995@...> wrote:
>
>> **
>>
>>
>> Well the cable guy was here and in his words(there is nothing wrong with
>> the cable or ground".
>> I did some more RF snooping and found about 30db of noise coming from each
>> cable box in the house! I was told there is nothing we can do about that!
>> Is the a filter out there to get rid of this hash noise?
>>
>> thanks
>> Ernie
>>
>>
>>
>
>
>
> --
> 73, Benjamin A Straw - KC9UNS
> 5344 Wilson St. Merrillville, IN 46410
> Phone: (219) 712-8103
>

>

--
73, Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

19714. Re: [ham-antennas] Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 00:48:42 UTC
From: Ron Youvan
Topic: 19710 Message: 19714

Ernie radiotech750 wrote:

> Well the cable guy was here and in his words(there is nothing wrong with the cable or ground".
> I did some more RF snooping and found about 30db of noise coming from each cable box in the house! I
> was told there is nothing we can do about that!
> Is the a filter out there to get rid of this hash noise?

As I said: "The noise can come into your house on grounded wires" such as the shield of coaxial
cable. (which in the air, between poles acts like an antenna) No filter can filter that. Anything
IN the cable will not likely jump out and effect your HF reception. (just leaks slightly at any baluns)
You should have kept looking instead of waiting.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19715. Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 03:24:43 UTC
From: pchapman920
Topic: 19682 Message: 19715

As has already been said here...The only effective way to protect your gear is yank the antenna and unplug it.

That being said, thought I would add my 2 cents from age old training a few decades ago. When you ground your gear in the shack, use the same gauge and brand wire for all equipment going to the buss bar. The old school I came from said use all the same same size for all common devices in an area and increment it as it heads toward the final ground termination point. It is a mild form of added protection, but it would not make sense to have a #18 ground going to one rig and a #10 to another, or stranded to one and solid to another. Nothing will insure against a pure hard strike, but if on the more minor side, this practice in theory helps to prevent what the instructors called "Backblow" The idea is to create the most conductive path to the place it will do the least amount of harm which is smaller gauge to larger gauge. I disagreed in part with the instructor stating that in my my mind the total combined gauge of all device grounds should be less that the ground wire leading leading to the final terminating ground, which to me means that the terminating ground wire should be a #4 wire, but they were hung up on #6, which I am using now. I found a length of #4 in the garage last week, which I will install as I have the desk pulled out feeding new coax and antennas into the shack...may not help much but will not hurt.

Going off topic a bit, I probably have a dozen UPS's in the house. I live in an area with quite a bit of power fluctuation and am moving to only replace the dead ones with mid range units with AVR, Automatic Voltage Regulation. Here, the older units have rarely lasted much beyond the first battery replacement and warranty, indicating that the the MOV's .....Metal Oxide Varistors are taking a beating and the higher end units are holding up better, using 1500 VA 900 watt replacements one by one. The computer UPS as they fail are being replaced by higher end true sine wave replication units due to the fact that the newer green power supplies for PC's will cause a lesser UPS unit to restart the PC rather than hold the power up until the battery switch is made if they do not see true sine wave going from a 75% efficient to 80 percent efficient green supply saves about a dollar a month vs $50-$100 premium for true sine wave replication on the UPS.....makes almost as much sense as green hard drives, which cost almost twice as much to run as a high performance drive, after running a week long test on one I bought.....never again....

19716. RE: [ham-antennas] Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 05:48:31 UTC
From: jo barden
Topic: 19682 Message: 19716

I suppose we are lucky here in the UK with lightning, now rain we have a lot of. We had a house in our village about 5 years ago suffered a house fire through lightening strike but saying that my neighbour had fire caused by rats eating insulation off mains cables and catching fire in the loft (we are very rural). I have diecast box with SO-239 connections which is connected to my RF Earth via 6mm cable and just disconnect radio and connect all antennas/ATU's to the box. Just part of my operating routine but if I were living in Lightning central and had all those antennas etc. I might do similar. He must be retired and pretty well off though!

Just wondering if you people the other side of the pond have these "Old wifes tales" for when there is lightning?

put the forks away
turn mirrors around

Just being nosy

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: WWILSON@....com
Date: Wed, 7 Sep 2011 16:55:00 -0400
Subject: Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Good grief, can anyone say overkill. I have never seen anything like this before

From: Joe

Sent: Wednesday, September 07, 2011 4:30 PM

To: ham-antennas@yahoogroups.com

Cc: Benjamin Straw

Subject: Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Geez,

1 KW in the shack and 1 watt at the antennas probably with all those

barrells. UG!

Joe WB9SBD

The Original Rolling Ball Clock

Idle Tyme

Idle-Tyme.com

http://www.idle-tyme.com

On 9/7/2011 3:21 PM, Benjamin Straw wrote:

> Have a look a what this guy (kc9cs) has done with grounding, it might just

> help

> http://home1.gte.net/res0958z/

>

> On Wed, Sep 7, 2011 at 2:17 PM, Bob Macklin<mailto:macklinbob%40msn.com> wrote:

>

>> **

>>

>>

>> We've been through this before!

>>

>> The only positive way to protect your radio from lightning is to disconnect

>> it when it is not in use.

>>

>> They can even be destroyed by a powerline hit!

>>

>> I had 4 years of lightning protection experience working for NASA in the

>> 80's.

>>

>> Bob Macklin

>> K5MYJ

>> Seattle, Wa.

>> "Real Radios Glow In The Dark"

>>

>>

>> ----- Original Message -----

>> From: Stan Labinsky Jr.

>> To: mailto:ham-antennas%40yahoogroups.com

>> Sent: Wednesday, September 07, 2011 11:27 AM

>> Subject: Re: [ham-antennas] Re: Lightning Protection in my Transmission

>> Line

>>

>> Gents... and ladies, too;

>>

>> The farther away the lightning arrestor is from the radio, or what ever

>> you're protecting, if you're working with coax, will loose its

>> effectiveness.

>>

>> I'll share something I was ignorant of, but when explained it was a "I

>> could've had a V-8" moment.

>>

>> If you take a long piece of coax, tie the shield and center conductor

>> together at the end away from the radio and then zap that point with a large

>> voltage spike to ground what will happen?

>>

>> Even though the coax is grounded at the radio end, you can still have a

>> destructive spike delivered to the radio. HOW, you ask??

>>

>> It all has to do with the "velocity of propagation" (Vp) through the cable.

>> That's that pesky bit that has to be figured in when doing phasing line and

>> 1/2 wave balun designs.

>>

>> What it (Vp) does is to delay the delivery of the spike at the radio end.

>> At the antenna end (where we put our short) the spike is in phase on both

>> the shield and center conductor. But at the radio end, the shield spike will

>> arrive first and make its way to ground, you did ground the radio chassis,
>> right? Then the delayed center conductor spike shows up.
>>
>> So what you say!! Well, if you hit both the radio chassis AND antenna input
>> at EXACTLY the same time with the spike, the DIFFERENTIAL (and it is always
>> the differential that kills you) will be ZERO. But, crank in the delay
>> through the cable and you now have... DIFFERENTIAL across the radio's
>> antenna input... and POOF! There goes my "hears a pin drop on Mars"
>> sensitivity.
>>
>> So, the arrestor is placed at or near the radio's input do deal with that
>> differential. Install it closer to the antenna and the cable between the
>> arrestor and the radio will be able to re-create the differential spike with
>> possibly poor results.
>>
>> Oh, and reference the DC grounded antenna designs... For lightning, they
>> are the same as the short we introduced in our science experiment above. But
>> consider this; at the frequency of interest, 2 meters, twenty meters, etc.
>> they are NOT shorted! Otherwise they wouldn't work too well.
>> That's why a nearby strike can induce a pulse into your antenna and its own
>> internal tuning circuits will produce a pulse of strike energy to your
>> radio.
>>
>> That's how PolyPhaser told it to me...
>>
>> Stan
>>
>> ----- Original Message -----
>> From: daverickmers

>> To: mailto:ham-antennas%40yahoogroups.com

>> Sent: Wednesday, September 07, 2011 10:47 AM

>> Subject: [ham-antennas] Re: Lightning Protection in my Transmission Line

>>

>> I have a Diamond pill type arrester outside on a plate attached to my

>> ground system. Can't you put the Polyphaser at the drip loop and Tee off to

>> Antenna and Ground? I wouldn't risk letting lightning get too close to the

>> radio.

>>

>> --- In mailto:ham-antennas%40yahoogroups.com, "m0tim"<timbarrett@...> wrote:

>>> My antenna transmission line runs underground from the wire antenna to my

>> basement radio room in plastic schedule 40 conduit and through the concrete

>> wall.

>>> I want to put lightning protection before it enters the house and have a

>> plastic wall mountable Harger case and Polyphaser lightening arrester.

>>> The problems is that there is no room on the outside wall where the

>> conduit enters the house to mount the case, the nearest I can get is 6 feet

>> away. I want to avoid having to move the exiting conduit so my plan is to

>> put a sched 40 tee piece in just where the coax enters the house run the

>> cable 6 feet to the Harger box and the arrester and then run it back down

>> the same 6 ft of sk 40 to the entrance hole.

>>> My question is if this negates the whole purpose of the lightening

>> arrester. Would teh lightning just across from one cable to the other and

>> just bypass the arrester?

>>> Thanks and 73

>>>

>>> Tim K9VB

>>>

>> [Non-text portions of this message have been removed]

>>

>> [Non-text portions of this message have been removed]

>>

>>

>>

>

>

[Non-text portions of this message have been removed]

No virus found in this message.

Checked by AVG - www.avg.com

Version: 10.0.1392 / Virus Database: 1520/3882 - Release Date: 09/07/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19717. Re: [ham-antennas] Re: Lightning Protection in my Transmission Line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 12:47:17 UTC
From: Frank Kirschner
Topic: 19682 Message: 19717

Wow, that's a great ground system. I did lightning protection work for the DoD for a while, and this amateur work matches anything I saw at DoD communications sites.

I lived in Miami for a year, and I know that he hasn't overdone it. The lightning activity there was amazing.

73,
Frank
KF6E

On Wed, Sep 7, 2011 at 4:21 PM, Benjamin Straw <kc9uns@...> wrote:

> Have a look a what this guy (kc9cs) has done with grounding, it might just
> help
> http://home1.gte.net/res0958z/
>
>

[Non-text portions of this message have been removed]

19718. Re: [ham-antennas] Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 12:54:45 UTC
From: Frank Kirschner
Topic: 19710 Message: 19718

The problem that comes to mind is that most filters are designed to go the other way, that is, to protect the cable system from interference from the ham signals.

If the cable system uses 75-ohm coax, you might try hi-pass filters at the main distribution point, and possibly at each cable box connected to something. That might be a bunch of filters, but if it works, it would be worth it. Clamp-on ferrite beads on each coax coming out of a box might also help.

Good luck.

73,
Frank
KF6E

On Wed, Sep 7, 2011 at 7:39 PM, radiotech750 <ranger2995@...> wrote:

> **
>
>
> Well the cable guy was here and in his words(there is nothing wrong with
> the cable or ground".
> I did some more RF snooping and found about 30db of noise coming from each
> cable box in the house! I was told there is nothing we can do about that!
> Is the a filter out there to get rid of this hash noise?
>
> thanks
> Ernie
>
> __.
>

[Non-text portions of this message have been removed]

19719. Any promlems using 2 rigs and 2 antenna switches

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 20:25:12 UTC
From: w4abw
Topic: 19719 Message: 19719

For the first time I want to play my FT-1000MP and my FT-920 on the operating position. The MP for HF and the 920 for only 6 meters. I have 2 antenna switches hooked up as of today. A 6 position MFJ 1701 for 5 antennas and a 2 position Daiwa CS 201 to switch between rigs. At this time I do not have a 6m antenna but my 30m Radio Waze dipole will load on 6m, if that matters. Does anyone see any problems using this configuration ? I haven't tried it yet. Don't want to smoke anything.until I inquire. HI !

Many tnx,
Al
W4ABW

19720. Re: [ham-antennas] Any promlems using 2 rigs and 2 antenna switches

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 22:08:01 UTC
From: dean
Topic: 19719 Message: 19720

I have the MFJ-1700 B 6 radio, 6 antenna switch. I have not had any problems other than forgetting which antenna I’m on due to where I mounted the switch. The XYL said she did not want to see it.

On my FT-950 I have two antenna ports. My SB-200 amp is connected to port 1 and my tuner is connected to port 2. It seems to work very well. I’m in the process of making all the inside antenna cables to RG-8X.

73, WY6L

From: w4abw
Sent: Thursday, September 08, 2011 1:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Any promlems using 2 rigs and 2 antenna switches

For the first time I want to play my FT-1000MP and my FT-920 on the operating position. The MP for HF and the 920 for only 6 meters. I have 2 antenna switches hooked up as of today. A 6 position MFJ 1701 for 5 antennas and a 2 position Daiwa CS 201 to switch between rigs. At this time I do not have a 6m antenna but my 30m Radio Waze dipole will load on 6m, if that matters. Does anyone see any problems using this configuration ? I haven't tried it yet. Don't want to smoke anything.until I inquire. HI !

Many tnx,
Al
W4ABW

[Non-text portions of this message have been removed]

19721. Re: Any promlems using 2 rigs and 2 antenna switches

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 22:23:16 UTC
From: pchapman920
Topic: 19719 Message: 19721

Hi Al:

No expert here but getting ready to do the same thing. I am using almost resonant antennas. I have used the Daiwa 201 for years to switch a Kenwood 820s and Icom 718 after coming out of an MFJ 949e tuner on a G5RV which is now defunct. With several new wire antennas going up, I bought an alpha delta ASC four antenna desk console. Without a tuner to fiddle with now, I'll take the output of the alpha delta as the input to the daiwa 201. I'll try it first on the Icom 718 before switching to my shiny new Icom 7410. HA!

One word of caution however and not trying to be critical by any means. Sometimes as you know, the QC at MFJ takes a day off. I read both good and bad reports on the 1701 as I considered it, but much preferred the Alpha Delta reputation and the gas fusing in the switch, as well as the built in ground buss bar. Most of the MFJ complaints were concerning leakage which could create issues in the arrangement. Check everything i.e. SWR on both switches and look for differences before proceeding. Even if everything is fine, and you have both rigs on tune the one not in use off a few KC from your operating freq to eliminate the possibility of birdies feedback, or at least hit the Attenuate switch.

Good luck with it!

--- In ham-antennas@yahoogroups.com, "w4abw" <W4ABW@...> wrote:
>
> For the first time I want to play my FT-1000MP and my FT-920 on the operating position. The MP for HF and the 920 for only 6 meters. I have 2 antenna switches hooked up as of today. A 6 position MFJ 1701 for 5 antennas and a 2 position Daiwa CS 201 to switch between rigs. At this time I do not have a 6m antenna but my 30m Radio Waze dipole will load on 6m, if that matters. Does anyone see any problems using this configuration ? I haven't tried it yet. Don't want to smoke anything.until I inquire. HI !
>
> Many tnx,
> Al
> W4ABW
>

19722. MA5B swr problems. (not soldering SS)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 22:43:18 UTC
From: w9nfl
Topic: 19722 Message: 19722

I thought I would repost my original post. I'm hoping someone would have some advice.

I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've rechecked all my measurements and they seem correct. Even turned the traps around in case of them being labeled incorrectly.

Any help/comments are welcomed via this group or by my email.

Thanks, Keith W9NFL

19723. Re: Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 22:52:08 UTC
From: w9nfl
Topic: 19652 Message: 19723

Dale,

I have heard that the direction arrow on some traps might be wrong. Other than the matching network problem I haven't heard much other advice . This weekend I'm going to recheck everything (for the 100th time) and get the beam higher off the ground in case that might be part of the problem. When I mount it on my tower I want to add a small 6 meter beam 10ft above it. With all the issues I've been having not so sure I want to do that.

Thanks, Keith

--- In ham-antennas@yahoogroups.com, "Dale H. Cole K8TS" <k9ttt@...> wrote:
>
>
>
> Keith-
>
> Let me know what you find out.....My MA5B is not preforming as I think it should.Â I have heard about a trap problem, but do not know any details
>
> Dale K8TS
>
>
>
> ----- Original Message -----
>
>
> From: "w9nfl" <w9nfl@...>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, September 5, 2011 6:53:59 PM
> Subject: [ham-antennas] Cushcraft MA5B swr issues.
>
> Â
>
>
>
>
> Hello,
>
> I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've rechecked all my measurements and they seem correct. Even turned the traps around in case of them being labeled incorrectly.
>
> Any help/comments are welcomed via this group or by my email.
>
> Thanks, Keith W9NFL
>

>
>
>
> [Non-text portions of this message have been removed]
>

19724. Re: [ham-antennas] Re: Cushcraft MA5B swr issues.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-08 23:05:31 UTC
From: dean
Topic: 19652 Message: 19724

Sorry about your problem but it makes my dipole sound so nice.

73, WY6L

From: w9nfl
Sent: Thursday, September 08, 2011 3:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Cushcraft MA5B swr issues.

Dale,

I have heard that the direction arrow on some traps might be wrong. Other than the matching network problem I haven't heard much other advice . This weekend I'm going to recheck everything (for the 100th time) and get the beam higher off the ground in case that might be part of the problem. When I mount it on my tower I want to add a small 6 meter beam 10ft above it. With all the issues I've been having not so sure I want to do that.

Thanks, Keith

--- In mailto:ham-antennas%40yahoogroups.com, "Dale H. Cole K8TS" <k9ttt@...> wrote:
>
>
>
> Keith-
>
> Let me know what you find out.....My MA5B is not preforming as I think it should.Â I have heard about a trap problem, but do not know any details
>
> Dale K8TS
>
>
>
> ----- Original Message -----
>
>
> From: "w9nfl" <w9nfl@...>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Monday, September 5, 2011 6:53:59 PM
> Subject: [ham-antennas] Cushcraft MA5B swr issues.
>
> Â
>
>
>
>
> Hello,

>
> I'm having swr problems with my MA5B and wonder if anyone has experience with this antenna. I've rechecked all my measurements and they seem correct. Even turned the traps around in case of them being labeled incorrectly.
>
> Any help/comments are welcomed via this group or by my email.
>
> Thanks, Keith W9NFL
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19725. Question about RG316 coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 00:01:06 UTC
From: Benjamin Straw
Topic: 19725 Message: 19725

Does anyone have any experience with the use of RG316 coax in the mobile?
I'm planing on switching from a mag to a hatch mount and am looking at
coax. A friend told be that this type of coax has alot of line loss on 440.
I do alot of 440 qso's but its on a local repeater about 10 miles from my
qth and 18 from my work.
BTW I do plan on keeping my Tram 1180 dual band antenna.

--
73, Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

19726. Re: [ham-antennas] Question about RG316 coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 00:25:47 UTC
From: dean
Topic: 19725 Message: 19726

I don’t think line loss is a problem with VHF or UHF but I could still be wrong. I’d just use it and see how it goes.

73, WY6L

From: Benjamin Straw
Sent: Thursday, September 08, 2011 5:01 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Question about RG316 coax

Does anyone have any experience with the use of RG316 coax in the mobile?
I'm planing on switching from a mag to a hatch mount and am looking at
coax. A friend told be that this type of coax has alot of line loss on 440.
I do alot of 440 qso's but its on a local repeater about 10 miles from my
qth and 18 from my work.
BTW I do plan on keeping my Tram 1180 dual band antenna.

--
73, Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19727. Re: Any promlems using 2 rigs and 2 antenna switches

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 10:31:55 UTC
From: ninevictor
Topic: 19719 Message: 19727

Hi Al,
p_chap is right to emphasize checking. At the very minimum, check with an Ohmmeter. You can not depend on the manufacturer's good reputation in lieu of testing. Some years back I found a brand new Daiwa coax switch with paint overspray inside, preventing good switch contact.

If you pick up a used coax switch, particularly B&W, be aware that some models ground all terminals except the one selected, but some switches do not! The one by HeathKit was a good one. The only trouble I had with a MFJ switch was that it was very easy to melt when I tried to re solder the internals. Inspected, melted, and into the wastebasket in less than a minute.

For a long time I have used the following coax switching scheme to make selection and adjusting of HF radios and antenna systems quick and easy. It sounds complicated, but it makes a station with numerous radios and antennas much more flexible. Sketch it out and it will become obvious.

In this description, I use the word "common" to identify the coax socket that closes contacts internally with the selected coax socket in a multi position switch. This description does not address lightning protection or the connection of transmitter amplifiers.

One multiposition switch selects radios, (transceiver 1, transceiver 2, SWL receiver, guest radio) A second multiposition switch selects loads. (antenna coupler 1, antenna coupler 2, dummy load, reference antenna) The cable between the common of the radio selector switch and the common of the load selector switch passes through the inline SWR meter, which monitors the match between the selected radio and the selected load.

A third switch is a "tune/operate" selector with 2 positions: It determines whether you are tuning (adjusting the antenna coupler with help from a MFJ analyzer) or operating the selected radio. The 2 position switch is inserted between the inline SWR bridge and the common of the radio selector switch, with "operate" position connected to the radio selector switch. "Tune" position is connected to a MFJ SWR analyzer (which has only one coax connection). The common of the "tune/operate" switch is connected to the transmitter side of the in-line SWR meter.

In operation, you select a radio, select a load, turn the 2 position switch towards the MFJ analyzer, adjust the frequency of the analyzer until you hear it in the radio, adjust the antenna coupler until the MFJ analyzer shows a good match, turn the "tune/operate) switch to the operate position. There you are, tuned up and ready to ask "is this frequency in use?" without having trampled on anybody's QSO.

Before you declare this system to be an unsightly wire rat's nest, I will mention that the operator's view of the switching system can be as tidy as a cabinet front about 12 inches wide with 3 selector switch knobs on the front. I found it most convenient to label the positions of the selector switches with tiny colored self adhesive labels. Text on the labels is optional. Each knob position refers to a like-colored spot on the station's radio

shelf where the respective piece of equipment sits. If you change radios around often, the color dots are a time saver, as the identity of the shelf location is still blue as long as one radio has been swapped for a different radio.

Coaxial switches are available with fittings to accomodate mounting behind a panel. Use a box that is not very tall, but is deep enough that the front of the box is reachable from the operator's position and the outside surface of the back panel of the box where the switch is mounted is far enough back on the shelf to allow easy routing of coaxial cables. In my case I allowed the switches to hang over the back edge of the radio shelf for easy access in back of the station table. The shaft of the coax switch can be fitted with a shaft coupling and a long shaft extension which is routed through a bushing in the front wall of the box.

Sorry this post is long winded, but I wanted to share this method as long as switching was being discussed.

73,
Don WN9V

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> Hi Al:
>
> No expert here but getting ready to do the same thing. I am using almost resonant antennas. I have used the Daiwa 201 for years to switch a Kenwood 820s and Icom 718 after coming out of an MFJ 949e tuner on a G5RV which is now defunct. With several new wire antennas going up, I bought an alpha delta ASC four antenna desk console. Without a tuner to fiddle with now, I'll take the output of the alpha delta as the input to the daiwa 201. I'll try it first on the Icom 718 before switching to my shiny new Icom 7410. HA!
>
> One word of caution however and not trying to be critical by any means. Sometimes as you know, the QC at MFJ takes a day off. I read both good and bad reports on the 1701 as I considered it, but much preferred the Alpha Delta reputation and the gas fusing in the switch, as well as the built in ground buss bar. Most of the MFJ complaints were concerning leakage which could create issues in the arrangement. Check everything i.e. SWR on both switches and look for differences before proceeding. Even if everything is fine, and you have both rigs on tune the one not in use off a few KC from your operating freq to eliminate the possibility of birdies feedback, or at least hit the Attenuate switch.
>
> Good luck with it!
>
> --- In ham-antennas@yahoogroups.com, "w4abw" <W4ABW@> wrote:
> >
> > For the first time I want to play my FT-1000MP and my FT-920 on the operating position. The MP for HF and the 920 for only 6 meters. I have 2 antenna switches hooked up as of today. A 6 position MFJ 1701 for 5 antennas and a 2 position Daiwa CS 201 to switch between rigs. At this time I do not have a 6m antenna but my 30m Radio Waze dipole will load on 6m, if that matters. Does anyone see any problems using this configuration ? I haven't tried it yet. Don't want to smoke anything.until I inquire. HI !
> >
> > Many tnx,
> > Al

> > W4ABW
> >
>

19728. Re: [ham-antennas] Any problems using 2 rigs and 2 antenna switches

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 12:44:01 UTC
From: Ron Youvan
Topic: 19719 Message: 19728

Al w4abw wrote:

> For the first time I want to play my FT-1000MP and my FT-920 on the operating position. The MP for
> HF and the 920 for only 6 meters. I have 2 antenna switches hooked up as of today. A 6 position MFJ
> 1701 for 5 antennas and a 2 position Daiwa CS 201 to switch between rigs. At this time I do not have
> a 6m antenna but my 30m Radio Waze dipole will load on 6m, if that matters. Does anyone see any
> problems using this configuration?

I don't think you system conforms to the KISS principle.
(Keep It Simple Stupid)

I would recommend assigning the "30m Radio Waze dipole" antenna to the FT-920 for 17 and 6 meter
(with the two position switch between the two outputs of the FT-920 if there are two outputs) work,
and everything else to the 6 position switch connected to the FT-1000MP.

When it is storming you will have TWO cables to disconnect, one on the back of each transceiver.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19729. Re: [ham-antennas] MA5B swr problems. (not soldering SS)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 12:59:47 UTC
From: Ron Youvan
Topic: 19722 Message: 19729

Keith w9nfl wrote:

> I thought I would repost my original post. I'm hoping someone would have some advice.

> I'm having swr problems with my MA5B and wonder if anyone has experience with
> this antenna. I've rechecked all my measurements and they seem correct. Even
> turned the traps around in case of them being labeled incorrectly.

> Any help/comments are welcomed via this group or by my email.

Can you find a friend (or your local HAM club) that has an antenna analyzer that you can use to
see if the bands are off frequency or gone? First find out what the problem actually is.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19730. Re: [ham-antennas] Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 15:25:21 UTC
From: Timothy-Allen Albertson
Topic: 19710 Message: 19730

go the Amateur Enforcement Desk at the FCC in addition to knocking down liddish behaviour, they have went after power companies, cable companies and even folks with electfric fences cause RFI to Hams in our bands, these people Pat 15 incidental radiators who must cease operation when it affects our primary use thereof

http://www.arrl.org/cable-television-interference

On Wed, Sep 7, 2011 at 6:53 PM, Joe <nss@...> wrote:

> **
>
>
> Then threaten them with the FCC too. Yeah now days that probably won't
> do much. But I knew a time in the 80's where i had horrid power line
> noise and after like 3 years of complaining I made a simple tape
> recording showing how bad it was and sent it off to the FCC and less
> than a month later I got a letter back from the FCC saying the power
> company should be in the area in a week or so to fix it. and they did.
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
>
> On 9/7/2011 6:49 PM, Benjamin Straw wrote:
> > Question what company is it? Comcast, Att, or other
> > If it was Comcast than they sent a contractor... and they dont know jack
> > from the back of there hand. all you have to do is call them back and
> tell
> > them you want a "In House Tech" they know about line noise and leakage.
> > Att's techs are not contracted out (Union), so all you have to do is ask
> for
> > another more qualified tech.
> > Others may very sorry.
> >
> >
> > On Wed, Sep 7, 2011 at 6:39 PM, radiotech750<ranger2995@...>
> wrote:
> >
> >> **
> >>
> >>
> >> Well the cable guy was here and in his words(there is nothing wrong
> with

> >> the cable or ground".
> >> I did some more RF snooping and found about 30db of noise coming from
> each
> >> cable box in the house! I was told there is nothing we can do about
> that!
> >> Is the a filter out there to get rid of this hash noise?
> >>
> >> thanks
> >> Ernie
> >>
> >>
> >>
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

--
73 DE TIM KD∅OIA

[Non-text portions of this message have been removed]

19731. Re: Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 17:11:29 UTC
From: AB2ZY
Topic: 19710 Message: 19731

Ron Youvan is 100% correct. The source of the noise has not been identified, only the carrier.

Until the source has been located and the owner has been asked (and has failed) to remedy the situation, calling enforcement is a waste of time.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson <kd0oia@...> wrote:
>
> go the Amateur Enforcement Desk at the FCC in addition to knocking down
> liddish behaviour, they have went after power companies, cable companies
> and even folks with electfric fences cause RFI to Hams in our bands, these
> people Pat 15 incidental radiators who must cease operation when it affects
> our primary use thereof
>
> http://www.arrl.org/cable-television-interference
>
>
>
> On Wed, Sep 7, 2011 at 6:53 PM, Joe <nss@...> wrote:
>
> > **
> >
> >
> > Then threaten them with the FCC too. Yeah now days that probably won't
> > do much. But I knew a time in the 80's where i had horrid power line
> > noise and after like 3 years of complaining I made a simple tape
> > recording showing how bad it was and sent it off to the FCC and less
> > than a month later I got a letter back from the FCC saying the power
> > company should be in the area in a week or so to fix it. and they did.
> >
> > The Original Rolling Ball Clock
> > Idle Tyme
> > Idle-Tyme.com
> > http://www.idle-tyme.com
> >
> >
> > On 9/7/2011 6:49 PM, Benjamin Straw wrote:
> > > Question what company is it? Comcast, Att, or other
> > > If it was Comcast than they sent a contractor... and they dont know jack
> > > from the back of there hand. all you have to do is call them back and
> > tell
> > > them you want a "In House Tech" they know about line noise and leakage.

> > > Att's techs are not contracted out (Union), so all you have to do is ask
> > for
> > > another more qualified tech.
> > > Others may very sorry.
> > >
> > >
> > > On Wed, Sep 7, 2011 at 6:39 PM, radiotech750<ranger2995@...>
> > wrote:
> > >
> > >> **
> > >>
> > >>
> > >> Well the cable guy was here and in his words(there is nothing wrong
> > with
> > >> the cable or ground".
> > >> I did some more RF snooping and found about 30db of noise coming from
> > each
> > >> cable box in the house! I was told there is nothing we can do about
> > that!
> > >> Is the a filter out there to get rid of this hash noise?
> > >>
> > >> thanks
> > >> Ernie
> > >>
> > >>
> > >>
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> >
> >
> > --
> > 73 DE TIM KDâ OIA
> >
> >
> > [Non-text portions of this message have been removed]
> >

19732. Re: Question about RG316 coax

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 17:36:32 UTC
From: David Zahler
Topic: 19725 Message: 19732

I think you may be painting yourself into a corner here by limiting the potential rage of your radio. While rg316 is great for interconnections between modules in a larger assembly, it really isn't suited for even a run found in a application such as yours. You will be losing almost half your power (2.6db) between the radio and antenna assuming a 15' run.

Take a gander at http://www.timesmicrowave.com/cgi-bin/calculate.pl to calculate the loss of the rg316 vs. rg8x. The loss of a comparable length of rg8x is 1.7db. While you give up some power handling capability, you get substantially lower insertion loss.

19733. Re: [ham-antennas] Re: Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 17:38:32 UTC
From: Ernie Rice
Topic: 19710 Message: 19733

OK To start with it is Time Warner here in Ohio! The guy said I had a 100mv leakage and it was because of a loose connector on one of my boxes! It did nothing to fix the problem! My shack is grounded! i can walk into my front yard 15 feet from the house and the noise is GONE!
What do you mean by the carrier? I can walk over to the pole where the service comes to the house and it is nothing but hash from 150kcs to 30 mhz!
I am going to contact them again and see if I can get a better resolution!

Ernie

On Fri, Sep 9, 2011 at 10:11 AM, AB2ZY <akozak@...> wrote:

> **
>
>
> Ron Youvan is 100% correct. The source of the noise has not been
> identified, only the carrier.
>
> Until the source has been located and the owner has been asked (and has
> failed) to remedy the situation, calling enforcement is a waste of time.
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson <kd0oia@...>
> wrote:
> >
> > go the Amateur Enforcement Desk at the FCC in addition to knocking down
> > liddish behaviour, they have went after power companies, cable companies
> > and even folks with electfric fences cause RFI to Hams in our bands,
> these
> > people Pat 15 incidental radiators who must cease operation when it
> affects
> > our primary use thereof
> >
> > http://www.arrl.org/cable-television-interference
> >
> >
> >
> > On Wed, Sep 7, 2011 at 6:53 PM, Joe <nss@...> wrote:
> >
> > > **
> > >
> > >
> > > Then threaten them with the FCC too. Yeah now days that probably won't

> > > do much. But I knew a time in the 80's where i had horrid power line
> > > noise and after like 3 years of complaining I made a simple tape
> > > recording showing how bad it was and sent it off to the FCC and less
> > > than a month later I got a letter back from the FCC saying the power
> > > company should be in the area in a week or so to fix it. and they did.
> > >
> > > The Original Rolling Ball Clock
> > > Idle Tyme
> > > Idle-Tyme.com
> > > http://www.idle-tyme.com
> > >
> > >
> > > On 9/7/2011 6:49 PM, Benjamin Straw wrote:
> > > > Question what company is it? Comcast, Att, or other
> > > > If it was Comcast than they sent a contractor... and they dont know
> jack
> > > > from the back of there hand. all you have to do is call them back and
> > > tell
> > > > them you want a "In House Tech" they know about line noise and
> leakage.
> > > > Att's techs are not contracted out (Union), so all you have to do is
> ask
> > > for
> > > > another more qualified tech.
> > > > Others may very sorry.
> > > >
> > > >
> > > > On Wed, Sep 7, 2011 at 6:39 PM, radiotech750<ranger2995@...>
> > > wrote:
> > > >
> > > >> **
> > > >>
> > > >>
> > > >> Well the cable guy was here and in his words(there is nothing wrong
> > > with
> > > >> the cable or ground".
> > > >> I did some more RF snooping and found about 30db of noise coming
> from
> > > each
> > > >> cable box in the house! I was told there is nothing we can do about
> > > that!
> > > >> Is the a filter out there to get rid of this hash noise?
> > > >>
> > > >> thanks
> > > >> Ernie
> > > >>
> > > >>
> > > >>
> > > >
> > > >
> > > >

> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> >
> >
> >
> > --
> > 73 DE TIM KDâˆ…OIA
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

19734. Re: [ham-antennas] Re: Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 17:59:26 UTC
From: Joe
Topic: 19710 Message: 19734

Ok,

The Cable is suspect true?

Can you at the street level disconnect it? to see if in the house and
your station the noise level goes down?

If you can't do that, inside the house disconnect it as close to where
it enters the house as possible and see if there are any differences.

After that disconnection is made can you then pull the cable out from
there it comes through the wall, and take it as far away as possible
from the house and see if the levels change?

This should isolate it enough showing that the noise is coming from the
cable.

Joe WB9SBD
NSS

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/9/2011 12:11 PM, AB2ZY wrote:
> Ron Youvan is 100% correct. The source of the noise has not been identified, only the
carrier.
>
> Until the source has been located and the owner has been asked (and has failed) to remedy
the situation, calling enforcement is a waste of time.
>
> Al
> AB2ZY
>
>
> --- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson<kd0oia@...> wrote:
>> go the Amateur Enforcement Desk at the FCC in addition to knocking down
>> liddish behaviour, they have went after power companies, cable companies
>> and even folks with electfric fences cause RFI to Hams in our bands, these
>> people Pat 15 incidental radiators who must cease operation when it affects
>> our primary use thereof
>>
>> http://www.arrl.org/cable-television-interference
>>
>>
>>

>> On Wed, Sep 7, 2011 at 6:53 PM, Joe<nss@...> wrote:
>>
>>> **
>>>
>>>
>>> Then threaten them with the FCC too. Yeah now days that probably won't
>>> do much. But I knew a time in the 80's where i had horrid power line
>>> noise and after like 3 years of complaining I made a simple tape
>>> recording showing how bad it was and sent it off to the FCC and less
>>> than a month later I got a letter back from the FCC saying the power
>>> company should be in the area in a week or so to fix it. and they did.
>>>
>>> The Original Rolling Ball Clock
>>> Idle Tyme
>>> Idle-Tyme.com
>>> http://www.idle-tyme.com
>>>
>>>
>>> On 9/7/2011 6:49 PM, Benjamin Straw wrote:
>>>> Question what company is it? Comcast, Att, or other
>>>> If it was Comcast than they sent a contractor... and they dont know jack
>>>> from the back of there hand. all you have to do is call them back and
>>> tell
>>>> them you want a "In House Tech" they know about line noise and leakage.
>>>> Att's techs are not contracted out (Union), so all you have to do is ask
>>> for
>>>> another more qualified tech.
>>>> Others may very sorry.
>>>>
>>>>
>>>> On Wed, Sep 7, 2011 at 6:39 PM, radiotech750<ranger2995@...>
>>> wrote:
>>>>> **
>>>>>
>>>>>
>>>>> Well the cable guy was here and in his words(there is nothing wrong
>>> with
>>>>> the cable or ground".
>>>>> I did some more RF snooping and found about 30db of noise coming from
>>> each
>>>>> cable box in the house! I was told there is nothing we can do about
>>> that!
>>>>> Is the a filter out there to get rid of this hash noise?
>>>>>
>>>>> thanks
>>>>> Ernie
>>>>>
>>>>>
>>>>>
>>>>

>>> [Non-text portions of this message have been removed]
>>>
>>>
>>>
>>
>>
>> --
>> 73 DE TIM KDâ^...OIA
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19735. Re: Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 18:47:13 UTC
From: AB2ZY
Topic: 19710 Message: 19735

That still doesn't prove that the noise is originating from within the cable system, only that the cable wire is the carrier.

An arcing insulator on a nearby pole could be generating the noise, which is picked up and reradiated by the cable TV wire. Who fixes that, the cable company or the power company?

The noise might well originate from the cable system, but if it appears on the common mode, I doubt it.

The ARRL TVI/RFI book is a very useful resource.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> Ok,
>
> The Cable is suspect true?
>
> Can you at the street level disconnect it? to see if in the house and
> your station the noise level goes down?
>
> If you can't do that, inside the house disconnect it as close to where
> it enters the house as possible and see if there are any differences.
>
> After that disconnection is made can you then pull the cable out from
> there it comes through the wall, and take it as far away as possible
> from the house and see if the levels change?
>
> This should isolate it enough showing that the noise is coming from the
> cable.
>
> Joe WB9SBD
> NSS
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 9/9/2011 12:11 PM, AB2ZY wrote:
> > Ron Youvan is 100% correct. The source of the noise has not been identified, only the carrier.
> >
> > Until the source has been located and the owner has been asked (and has failed) to

remedy the situation, calling enforcement is a waste of time.
> >
> > Al
> > AB2ZY
> >
> >
> > --- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson<kd0oia@> wrote:
> >> go the Amateur Enforcement Desk at the FCC in addition to knocking down
> >> liddish behaviour, they have went after power companies, cable companies
> >> and even folks with electfric fences cause RFI to Hams in our bands, these
> >> people Pat 15 incidental radiators who must cease operation when it affects
> >> our primary use thereof
> >>
> >> http://www.arrl.org/cable-television-interference
> >>
> >>
> >>
> >> On Wed, Sep 7, 2011 at 6:53 PM, Joe<nss@> wrote:
> >>
> >>> **
> >>>
> >>>
> >>> Then threaten them with the FCC too. Yeah now days that probably won't
> >>> do much. But I knew a time in the 80's where i had horrid power line
> >>> noise and after like 3 years of complaining I made a simple tape
> >>> recording showing how bad it was and sent it off to the FCC and less
> >>> than a month later I got a letter back from the FCC saying the power
> >>> company should be in the area in a week or so to fix it. and they did.
> >>>
> >>> The Original Rolling Ball Clock
> >>> Idle Tyme
> >>> Idle-Tyme.com
> >>> http://www.idle-tyme.com
> >>>
> >>>
> >>> On 9/7/2011 6:49 PM, Benjamin Straw wrote:
> >>>> Question what company is it? Comcast, Att, or other
> >>>> If it was Comcast than they sent a contractor... and they dont know jack
> >>>> from the back of there hand. all you have to do is call them back and
> >>> tell
> >>>> them you want a "In House Tech" they know about line noise and leakage.
> >>>> Att's techs are not contracted out (Union), so all you have to do is ask
> >>> for
> >>>> another more qualified tech.
> >>>> Others may very sorry.
> >>>>
> >>>>
> >>>> On Wed, Sep 7, 2011 at 6:39 PM, radiotech750<ranger2995@>
> >>> wrote:
> >>>>> **
> >>>>>

> >>>>>
> >>>>> Well the cable guy was here and in his words(there is nothing wrong
> >>> with
> >>>>> the cable or ground".
> >>>>> I did some more RF snooping and found about 30db of noise coming from
> >>> each
> >>>>> cable box in the house! I was told there is nothing we can do about
> >>> that!
> >>>>> Is the a filter out there to get rid of this hash noise?
> >>>>>
> >>>>> thanks
> >>>>> Ernie
> >>>>>
> >>>>>
> >>>>>
> >>>>
> >>> [Non-text portions of this message have been removed]
> >>>
> >>>
> >>>
> >>
> >>
> >> --
> >> 73 DE TIM KDâ^...OIA
> >>
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]

>

19736. Re: [ham-antennas] Re: Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 18:58:46 UTC
From: Joe
Topic: 19710 Message: 19736

I agree, BUT,

Their system is propagating the noise signal. So without their stuff
you wouldn't have the problem. So complain to them and they can
complain to the power company. but if their stuff is bringing in the
noise it IS their responsibility to make it stop.

Joe WB9SBD
NSS

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/9/2011 1:47 PM, AB2ZY wrote:
> That still doesn't prove that the noise is originating from within the cable system, only that the cable wire is the carrier.
>
> An arcing insulator on a nearby pole could be generating the noise, which is picked up and reradiated by the cable TV wire. Who fixes that, the cable company or the power company?
>
> The noise might well originate from the cable system, but if it appears on the common mode, I doubt it.
>
> The ARRL TVI/RFI book is a very useful resource.
>
> Al
> AB2ZY
>
>
> --- In ham-antennas@yahoogroups.com, Joe<nss@...> wrote:
>> Ok,
>>
>> The Cable is suspect true?
>>
>> Can you at the street level disconnect it? to see if in the house and
>> your station the noise level goes down?
>>
>> If you can't do that, inside the house disconnect it as close to where
>> it enters the house as possible and see if there are any differences.
>>
>> After that disconnection is made can you then pull the cable out from
>> there it comes through the wall, and take it as far away as possible
>> from the house and see if the levels change?

>>
>> This should isolate it enough showing that the noise is coming from the
>> cable.
>>
>> Joe WB9SBD
>> NSS
>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>> On 9/9/2011 12:11 PM, AB2ZY wrote:
>>> Ron Youvan is 100% correct. The source of the noise has not been identified, only the
carrier.
>>>
>>> Until the source has been located and the owner has been asked (and has failed) to
remedy the situation, calling enforcement is a waste of time.
>>>
>>> Al
>>> AB2ZY
>>>
>>>
>>> --- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson<kd0oia@> wrote:
>>>> go the Amateur Enforcement Desk at the FCC in addition to knocking down
>>>> liddish behaviour, they have went after power companies, cable companies
>>>> and even folks with electfric fences cause RFI to Hams in our bands, these
>>>> people Pat 15 incidental radiators who must cease operation when it affects
>>>> our primary use thereof
>>>>
>>>> http://www.arrl.org/cable-television-interference
>>>>
>>>>
>>>>
>>>> On Wed, Sep 7, 2011 at 6:53 PM, Joe<nss@> wrote:
>>>>
>>>>> **
>>>>>
>>>>>
>>>>> Then threaten them with the FCC too. Yeah now days that probably won't
>>>>> do much. But I knew a time in the 80's where i had horrid power line
>>>>> noise and after like 3 years of complaining I made a simple tape
>>>>> recording showing how bad it was and sent it off to the FCC and less
>>>>> than a month later I got a letter back from the FCC saying the power
>>>>> company should be in the area in a week or so to fix it. and they did.
>>>>>
>>>>> The Original Rolling Ball Clock
>>>>> Idle Tyme
>>>>> Idle-Tyme.com
>>>>> http://www.idle-tyme.com

>>>>>
>>>>>
>>>>> On 9/7/2011 6:49 PM, Benjamin Straw wrote:
>>>>>> Question what company is it? Comcast, Att, or other
>>>>>> If it was Comcast than they sent a contractor... and they dont know jack
>>>>>> from the back of there hand. all you have to do is call them back and
>>>>> tell
>>>>>> them you want a "In House Tech" they know about line noise and leakage.
>>>>>> Att's techs are not contracted out (Union), so all you have to do is ask
>>>>> for
>>>>>> another more qualified tech.
>>>>>> Others may very sorry.
>>>>>>
>>>>>>
>>>>>> On Wed, Sep 7, 2011 at 6:39 PM, radiotech750<ranger2995@>
>>>>> wrote:
>>>>>>> **
>>>>>>>
>>>>>>>
>>>>>>> Well the cable guy was here and in his words(there is nothing wrong
>>>>> with
>>>>>>> the cable or ground".
>>>>>>> I did some more RF snooping and found about 30db of noise coming from
>>>>> each
>>>>>>> cable box in the house! I was told there is nothing we can do about
>>>>> that!
>>>>>>> Is the a filter out there to get rid of this hash noise?
>>>>>>>
>>>>>>> thanks
>>>>>>> Ernie
>>>>>>>
>>>>>>>
>>>>>>>
>>>>> [Non-text portions of this message have been removed]
>>>>>
>>>>>
>>>>>
>>>>
>>>> --
>>>> 73 DE TIM KDâ^...OIA
>>>>
>>>>
>>>> [Non-text portions of this message have been removed]
>>>>
>>>
>>>
>>> ------------------------------------
>>>
>>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.

>>> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>>> Post message: ham-antennas@yahoogroups.com
>>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>>> List owner: ham-antennas-owner@yahoogroups.com
>>> Yahoo! Groups Links
>>>
>>>
>>>
>>>
>>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19737. Re: [ham-antennas] Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 19:19:42 UTC
From: Tom Humes
Topic: 19710 Message: 19737

What did the cable guy do to come up with his answer?

It sounds like the cable proper. There is probably an open shield
somewhere. If the pix is good, then the center conductor is probably ok.

You should not be getting that kind of noise from the cable setup.

On Wed, Sep 7, 2011 at 4:39 PM, radiotech750 <ranger2995@...> wrote:

> **
>
>
> Well the cable guy was here and in his words(there is nothing wrong with
> the cable or ground".
> I did some more RF snooping and found about 30db of noise coming from each
> cable box in the house! I was told there is nothing we can do about that!
> Is the a filter out there to get rid of this hash noise?
>
> thanks
> Ernie
>
>
>

[Non-text portions of this message have been removed]

19738. Re: [ham-antennas] Re: Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 19:56:30 UTC
From: Ernie Rice
Topic: 19710 Message: 19738

I can't do that as it is in a locked box! i they find the box tampered with they disconnect your service! I took a small portable SWL radio(Eton E5) to the outside to where the cable comes into the house and the bands were nothing but RF hash!

Ernie

On Fri, Sep 9, 2011 at 10:59 AM, Joe <nss@...t> wrote:

> **
>
>
> Ok,
>
> The Cable is suspect true?
>
> Can you at the street level disconnect it? to see if in the house and
> your station the noise level goes down?
>
> If you can't do that, inside the house disconnect it as close to where
> it enters the house as possible and see if there are any differences.
>
> After that disconnection is made can you then pull the cable out from
> there it comes through the wall, and take it as far away as possible
> from the house and see if the levels change?
>
> This should isolate it enough showing that the noise is coming from the
> cable.
>
> Joe WB9SBD
> NSS
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 9/9/2011 12:11 PM, AB2ZY wrote:
> > Ron Youvan is 100% correct. The source of the noise has not been
> identified, only the carrier.
> >
> > Until the source has been located and the owner has been asked (and has
> failed) to remedy the situation, calling enforcement is a waste of time.
> >
> > Al

> > AB2ZY
> >
> >
> > --- In ham-antennas@yahoogroups.com, Timothy-Allen Albertson<kd0oia@...>
> wrote:
> >> go the Amateur Enforcement Desk at the FCC in addition to knocking down
> >> liddish behaviour, they have went after power companies, cable companies
> >> and even folks with electfric fences cause RFI to Hams in our bands,
> these
> >> people Pat 15 incidental radiators who must cease operation when it
> affects
> >> our primary use thereof
> >>
> >> http://www.arrl.org/cable-television-interference
> >>
> >>
> >>
> >> On Wed, Sep 7, 2011 at 6:53 PM, Joe<nss@...> wrote:
> >>
> >>> **
> >>>
> >>>
> >>> Then threaten them with the FCC too. Yeah now days that probably won't
> >>> do much. But I knew a time in the 80's where i had horrid power line
> >>> noise and after like 3 years of complaining I made a simple tape
> >>> recording showing how bad it was and sent it off to the FCC and less
> >>> than a month later I got a letter back from the FCC saying the power
> >>> company should be in the area in a week or so to fix it. and they did.
> >>>
> >>> The Original Rolling Ball Clock
> >>> Idle Tyme
> >>> Idle-Tyme.com
> >>> http://www.idle-tyme.com
> >>>
> >>>
> >>> On 9/7/2011 6:49 PM, Benjamin Straw wrote:
> >>>> Question what company is it? Comcast, Att, or other
> >>>> If it was Comcast than they sent a contractor... and they dont know
> jack
> >>>> from the back of there hand. all you have to do is call them back and
> >>> tell
> >>>> them you want a "In House Tech" they know about line noise and
> leakage.
> >>>> Att's techs are not contracted out (Union), so all you have to do is
> ask
> >>> for
> >>>> another more qualified tech.
> >>>> Others may very sorry.
> >>>>
> >>>>

> >>>> On Wed, Sep 7, 2011 at 6:39 PM, radiotech750<ranger2995@...>
> >>> wrote:
> >>>>> **
> >>>>>
> >>>>>
> >>>>> Well the cable guy was here and in his words(there is nothing wrong
> >>> with
> >>>>> the cable or ground".
> >>>>> I did some more RF snooping and found about 30db of noise coming from
> >>> each
> >>>>> cable box in the house! I was told there is nothing we can do about
> >>> that!
> >>>>> Is the a filter out there to get rid of this hash noise?
> >>>>>
> >>>>> thanks
> >>>>> Ernie
> >>>>>
> >>>>>
> >>>>>
> >>>>
> >>> [Non-text portions of this message have been removed]
> >>>
> >>>
> >>>
> >>
> >>
> >> --
> >> 73 DE TIM KD?^...OIA
>
> >>
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >
> >
> >
> > ------------------------------------
>
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
>
> >

> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

19739. Re: [ham-antennas] Re: Any promlems using 2 rigs and 2 antenna switches

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 20:19:18 UTC
From: john garko
Topic: 19719 Message: 19739

Don, I would like to jump in please and say I think your approach is great!
I will look into this arrangement for my multi radio... multi antenna set up
this fall.

Thanks again,
John
WA4KWK

On Fri, Sep 9, 2011 at 6:31 AM, ninevictor <WN9V@...> wrote:

> **
>
>
>
>
> Hi Al,
> p_chap is right to emphasize checking. At the very minimum, check with an
> Ohmmeter. You can not depend on the manufacturer's good reputation in lieu
> of testing. Some years back I found a brand new Daiwa coax switch with paint
> overspray inside, preventing good switch contact.
>
> If you pick up a used coax switch, particularly B&W, be aware that some
> models ground all terminals except the one selected, but some switches do
> not! The one by HeathKit was a good one. The only trouble I had with a MFJ
> switch was that it was very easy to melt when I tried to re solder the
> internals. Inspected, melted, and into the wastebasket in less than a
> minute.
>
> For a long time I have used the following coax switching scheme to make
> selection and adjusting of HF radios and antenna systems quick and easy. It
> sounds complicated, but it makes a station with numerous radios and antennas
> much more flexible. Sketch it out and it will become obvious.
>
> In this description, I use the word "common" to identify the coax socket
> that closes contacts internally with the selected coax socket in a multi
> position switch. This description does not address lightning protection or
> the connection of transmitter amplifiers.
>
> One multiposition switch selects radios, (transceiver 1, transceiver 2, SWL
> receiver, guest radio) A second multiposition switch selects loads. (antenna
> coupler 1, antenna coupler 2, dummy load, reference antenna) The cable
> between the common of the radio selector switch and the common of the load
> selector switch passes through the inline SWR meter, which monitors the
> match between the selected radio and the selected load.

>
> A third switch is a "tune/operate" selector with 2 positions: It determines
> whether you are tuning (adjusting the antenna coupler with help from a MFJ
> analyzer) or operating the selected radio. The 2 position switch is inserted
> between the inline SWR bridge and the common of the radio selector switch,
> with "operate" position connected to the radio selector switch. "Tune"
> position is connected to a MFJ SWR analyzer (which has only one coax
> connection). The common of the "tune/operate" switch is connected to the
> transmitter side of the in-line SWR meter.
>
> In operation, you select a radio, select a load, turn the 2 position switch
> towards the MFJ analyzer, adjust the frequency of the analyzer until you
> hear it in the radio, adjust the antenna coupler until the MFJ analyzer
> shows a good match, turn the "tune/operate) switch to the operate position.
> There you are, tuned up and ready to ask "is this frequency in use?" without
> having trampled on anybody's QSO.
>
> Before you declare this system to be an unsightly wire rat's nest, I will
> mention that the operator's view of the switching system can be as tidy as a
> cabinet front about 12 inches wide with 3 selector switch knobs on the
> front. I found it most convenient to label the positions of the selector
> switches with tiny colored self adhesive labels. Text on the labels is
> optional. Each knob position refers to a like-colored spot on the station's
> radio shelf where the respective piece of equipment sits. If you change
> radios around often, the color dots are a time saver, as the identity of the
> shelf location is still blue as long as one radio has been swapped for a
> different radio.
>
> Coaxial switches are available with fittings to accomodate mounting behind
> a panel. Use a box that is not very tall, but is deep enough that the front
> of the box is reachable from the operator's position and the outside surface
> of the back panel of the box where the switch is mounted is far enough back
> on the shelf to allow easy routing of coaxial cables. In my case I allowed
> the switches to hang over the back edge of the radio shelf for easy access
> in back of the station table. The shaft of the coax switch can be fitted
> with a shaft coupling and a long shaft extension which is routed through a
> bushing in the front wall of the box.
>
> Sorry this post is long winded, but I wanted to share this method as long
> as switching was being discussed.
>
> 73,
> Don WN9V
>
> --- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
> >
> > Hi Al:
> >
> > No expert here but getting ready to do the same thing. I am using almost
> resonant antennas. I have used the Daiwa 201 for years to switch a Kenwood

> 820s and Icom 718 after coming out of an MFJ 949e tuner on a G5RV which is
> now defunct. With several new wire antennas going up, I bought an alpha
> delta ASC four antenna desk console. Without a tuner to fiddle with now,
> I'll take the output of the alpha delta as the input to the daiwa 201. I'll
> try it first on the Icom 718 before switching to my shiny new Icom 7410. HA!
> >
> > One word of caution however and not trying to be critical by any means.
> Sometimes as you know, the QC at MFJ takes a day off. I read both good and
> bad reports on the 1701 as I considered it, but much preferred the Alpha
> Delta reputation and the gas fusing in the switch, as well as the built in
> ground buss bar. Most of the MFJ complaints were concerning leakage which
> could create issues in the arrangement. Check everything i.e. SWR on both
> switches and look for differences before proceeding. Even if everything is
> fine, and you have both rigs on tune the one not in use off a few KC from
> your operating freq to eliminate the possibility of birdies feedback, or at
> least hit the Attenuate switch.
> >
> > Good luck with it!
> >
> > --- In ham-antennas@yahoogroups.com, "w4abw" <W4ABW@> wrote:
> > >
> > > For the first time I want to play my FT-1000MP and my FT-920 on the
> operating position. The MP for HF and the 920 for only 6 meters. I have 2
> antenna switches hooked up as of today. A 6 position MFJ 1701 for 5 antennas
> and a 2 position Daiwa CS 201 to switch between rigs. At this time I do not
> have a 6m antenna but my 30m Radio Waze dipole will load on 6m, if that
> matters. Does anyone see any problems using this configuration ? I haven't
> tried it yet. Don't want to smoke anything.until I inquire. HI !
> > >
> > > Many tnx,
> > > Al
> > > W4ABW
> > >
> >
>
>
>

[Non-text portions of this message have been removed]

19740. Re: Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 22:24:41 UTC
From: w8jbv
Topic: 19710 Message: 19740

Here in something to think about , 2 years ago my cable went out the cable guy came over and replaces a bad splitter box under the house , i have cable in every room of the house (not the bathroom) well he checks the system and asked how my picture was before i lost the picture , i said it was ok. then he asked how many years i have had this same cable , i said about 10 years or so. he then said the guy that installed this cable never hooked up the ground .Well to make a long story short . I have never had a noise problem in eather my old Kenwood 820 or my Ten Tec Jupiter. ???

--- In ham-antennas@yahoogroups.com, Tom Humes <kf7anq@...> wrote:

> What did the cable guy do to come up with his answer?
>
> It sounds like the cable proper. There is probably an open shield
> somewhere. If the pix is good, then the center conductor is probably ok.
>
> You should not be getting that kind of noise from the cable setup.
>
> On Wed, Sep 7, 2011 at 4:39 PM, radiotech750 ranger2995@... wrote:
>
> > **
> >
> >
> > Well the cable guy was here and in his words(there is nothing wrong with
> > the cable or ground".
> > I did some more RF snooping and found about 30db of noise coming from each
> > cable box in the house! I was told there is nothing we can do about that!
> > Is the a filter out there to get rid of this hash noise?
> >
> > thanks
> > Ernie
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

19741. relay antenna switch

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-09 22:44:53 UTC
From: gi0zer
Topic: 19741 Message: 19741

Hi Guys

I'm thinking of building a remote antenna switch using relays to switch 6 antennas to 4 radios. All antennas are resonant but the swr might approach 3:1 at band edges.
As I would like to run an amplifier at 400 watts my question is how much current and voltage would the relays need to handle to cope with these values. I have been thinking of using mains contactor's with a 10 amp rating dpdt.

Thanks in advance

Eddie

GI0ZER

19742. Re: relay antenna switch

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-10 02:21:06 UTC
From: AB2ZY
Topic: 19741 Message: 19742

I use this one with an amplifier: http://www.farcircuits.net/antsw.pdf
The relays have been more than adequate.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "gi0zer" <gi0zer@...> wrote:
>
> Hi Guys
>
> I'm thinking of building a remote antenna switch using relays to switch 6 antennas to 4 radios. All antennas are resonant but the swr might approach 3:1 at band edges.
> As I would like to run an amplifier at 400 watts my question is how much current and voltage would the relays need to handle to cope with these values. I have been thinking of using mains contactor's with a 10 amp rating dpdt.
>
> Thanks in advance
>
> Eddie
>
> GI0ZER
>

19743. RE: [ham-antennas] relay antenna switch

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-10 08:45:42 UTC
From: jo barden
Topic: 19741 Message: 19743

Hi Eddie

I think you should be able to calculate by just using Ohms law and derived power formula. so current is derived from power equals current squared multiplied by resistance. Now the resistance or more correctly Impedance for a 3:1 SWR is a maximum of 150 ohms and minimum of 16.66 ohms so working backwards

I=1.6A to a maximum of 4.9A

similarly with Voltage from power equals Voltage squared divided by Impedance

V= 244v to a ninimum of 81.63v

Now these will be RMS figures so bear that in mind when looking at ratings, I would also use 2 relays for each line (inner and outer of coax) reducing the capacitive effects between them.

Thinking of the power supply to the relays I would go for centre tapped transformer with the centre tap earthed and bi-phase rectfication with decoupling capacitors at the feed and relay positions. Probably something like cat 6 cable supplying rather than the unscreened cat 5e type.

Presumably you will have some form of interlocking? I seem to remember that the guy I got my LC meter from does something that may be useful he is at www.s9plus.com called "TROPIC" his is PIC based.

hope this helps and even more importantly I have got the maths right.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: gi0zer@....uk
Date: Fri, 9 Sep 2011 22:44:53 +0000
Subject: [ham-antennas] relay antenna switch

Hi Guys

I'm thinking of building a remote antenna switch using relays to switch 6 antennas to 4 radios. All antennas are resonant but the swr might approach 3:1 at band edges.

As I would like to run an amplifier at 400 watts my question is how much current and voltage would the relays need to handle to cope with these values. I have been thinking of using mains contactor's with a 10 amp rating dpdt.

Thanks in advance

Eddie

GI0ZER

[Non-text portions of this message have been removed]

19744. Re: relay antenna switch

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-10 12:25:17 UTC
From: kc4sbj2000
Topic: 19741 Message: 19744

ha Eddie I have a question for you i understand what you are doing my Question is why would want to run a relay? is the antenna homebrew? what band?

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Hi Eddie
>
> I think you should be able to calculate by just using Ohms law and derived power formula. so current is derived from power equals current squared multiplied by resistance. Now the resistance or more correctly Impedance for a 3:1 SWR is a maximum of 150 ohms and minimum of 16.66 ohms so working backwards
>
> I=1.6A to a maximum of 4.9A
>
> similarly with Voltage from power equals Voltage squared divided by Impedance
>
> V= 244v to a ninimum of 81.63v
>
> Now these will be RMS figures so bear that in mind when looking at ratings, I would also use 2 relays for each line (inner and outer of coax) reducing the capacitive effects between them.
>
> Thinking of the power supply to the relays I would go for centre tapped transformer with the centre tap earthed and bi-phase rectfication with decoupling capacitors at the feed and relay positions. Probably something like cat 6 cable supplying rather than the unscreened cat 5e type.
>
> Presumably you will have some form of interlocking? I seem to remember that the guy I got my LC meter from does something that may be useful he is at www.s9plus.com called "TROPIC" his is PIC based.
>
> hope this helps and even more importantly I have got the maths right.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: gi0zer@...
> Date: Fri, 9 Sep 2011 22:44:53 +0000
> Subject: [ham-antennas] relay antenna switch
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Hi Guys
>
>
>
> I'm thinking of building a remote antenna switch using relays to switch 6 antennas to 4 radios. All antennas are resonant but the swr might approach 3:1 at band edges.
>
> As I would like to run an amplifier at 400 watts my question is how much current and voltage would the relays need to handle to cope with these values. I have been thinking of using mains contactor's with a 10 amp rating dpdt.
>
>
>
> Thanks in advance
>
>
>
> Eddie
>
>
>
> GI0ZER
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19745. Re: [ham-antennas] Re: Need a Filter! (was NOISE)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-10 20:15:10 UTC
From: Ernie Rice
Topic: 19710 Message: 19745

I have them coming back to recheck it! i will let you all know

Ernie

On Fri, Sep 9, 2011 at 3:24 PM, w8jbv <btc940@...> wrote:

> **
>
>
> Here in something to think about , 2 years ago my cable went out the
> cable guy came over and replaces a bad splitter box under the house , i
> have cable in every room of the house (not the bathroom) well he checks
> the system and asked how my picture was before i lost the picture , i
> said it was ok. then he asked how many years i have had this same cable
> , i said about 10 years or so. he then said the guy that installed this
> cable never hooked up the ground .Well to make a long story short . I
> have never had a noise problem in eather my old Kenwood 820 or my Ten
> Tec Jupiter. ???
> --- In ham-antennas@yahoogroups.com, Tom Humes <kf7anq@...> wrote:
> >
> > What did the cable guy do to come up with his answer?
> >
> > It sounds like the cable proper. There is probably an open shield
> > somewhere. If the pix is good, then the center conductor is probably
> ok.
> >
> > You should not be getting that kind of noise from the cable setup.
>
> >
> > On Wed, Sep 7, 2011 at 4:39 PM, radiotech750 ranger2995@... wrote:
> >
> > > **
> > >
> > >
> > > Well the cable guy was here and in his words(there is nothing wrong
> with
> > > the cable or ground".
> > > I did some more RF snooping and found about 30db of noise coming
> from each
> > > cable box in the house! I was told there is nothing we can do about
> that!
> > > Is the a filter out there to get rid of this hash noise?
> > >
> > > thanks
> > > Ernie
> > >

> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

19746. Re: relay antenna switch

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-10 21:14:10 UTC
From: gi0zer
Topic: 19741 Message: 19746

--- In ham-antennas@yahoogroups.com, "kc4sbj2000" <kc4sbj2000@...> wrote:
>
> ha Eddie I have a question

thanks for all the replies they have been very helpful.

In answer to you question i am running the following antennas

a3s and a3ws 30m and 40m parallel dipoles a fullwave 80m loop
and an inverted L for topband .

These are all fed seperately which when combined with 6m,2m and 70cm yagis and a 20m colinear means i have alot of feeders coming into the shack and at the moment no easy way to switch the hf stuff to the radios.
I'm using 2 3way antenna switches but they are marginal in power handling plus it would remove 5 feeders from the shack.

thanks again

Eddie

GI0ZER

19747. My antenna dilemma...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-10 23:26:48 UTC
From: neilkj6fba
Topic: 19747 Message: 19747

My current ham activities are limited to 2 meters and 440 and the discone I currently have serves nicely for my UHF / VHF ham radio and for my scanner.

I will be testing for my general license in two weeks and am interested in having an antenna for use in PSK-31 activities (mainly 14.070 mHz). There are some serious restrictions in my homeowners association about antennas "clearly visible from the street".

I could erect a SLIM vertical antenna - maybe extending about 5-8 feet above my roof line. I could also use the random wire (about 100 feet long) that I have routed along the top edge of my wooden fence. I get excellent reception of ham traffic (including PSK-31) using that antenna.

Now the question is: could I adequately load a vertical antenna with no radials at all or load my fence wire antenna with a reasonably priced tuner? For the vertical I could certainly drop a single counterpoise wire of maybe 12-15 feet straight down. Obviously the PSK-31 transmissions would be very low power, perhaps 10 - 20 watts. Yagis or extensive radials are out of the question. I suppose I could run a dipole along the fence but it would be only 5 feet above ground, present impedance issues,and possible receive poorly off the ends. Any HF rig I buy will probably have an SWR meter included. It might even include VHF/UHF with dual antenna inputs!.

Advice or comments sought and eagerly accepted!!

Neil Bell
Kj6FBA

19748. Re: [ham-antennas] My antenna dilemma...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-11 02:09:40 UTC
From: Ron Youvan
Topic: 19747 Message: 19748

Neil Bell Kj6FBA neilkj6fba wrote:

> My current ham activities are limited to 2 meters and 440 and the discone I currently have serves
> nicely for my UHF / VHF ham radio and for my scanner.

> I will be testing for my general license in two weeks and am interested in having an antenna for use
> in PSK-31 activities (mainly 14.070 mHz). There are some serious restrictions in my homeowners
> association about antennas "clearly visible from the street".

I was a Novice for 17 3/4 years and I had HF privileges the entire time.

> I could erect a SLIM vertical antenna - maybe extending about 5-8 feet above my roof line. I could
> also use the random wire (about 100 feet long) that I have routed along the top edge of my wooden
> fence. I get excellent reception of ham traffic (including PSK-31) using that antenna.

If anyone can touch the antenna (or get very close to it) is it not permitted to apply very much
power, you should have learned about health and safety with respect to RF power in your `general'
studies.

> Now the question is: could I adequately load a vertical antenna with no radials at all or load my
> fence wire antenna with a reasonably priced tuner? For the vertical I could certainly drop a single
> counterpoise wire of maybe 12-15 feet straight down. Obviously the PSK-31 transmissions would be
> very low power, perhaps 10 - 20 watts. Yagis or extensive radials are out of the question. I suppose
> I could run a dipole along the fence but it would be only 5 feet above ground, present impedance
> issues, and possible receive poorly off the ends. Any HF rig I buy will probably have an SWR meter
> included. It might even include VHF/UHF with dual antenna inputs!.

If your HF and VHF/UHF radios are separate the VHF/UHF can operated muted (squelch) while you are
operating the HF radio.

> Advice or comments sought and eagerly accepted!!

I don't understand what a vertical's radials have to do with it being a stealth antenna. The
radials should be buried under the turf. The vertical also needs to be not touchable by family and
strangers.

HAM sticks, HAM sticks dipoles, out-backer, loops and other loaded antennas can be used to provide not-obvious antennas for HAM use. If you have a back yard you most likely have it made.
Unfortunately antenna performance is a reflection of it's height. (up in the trees can be great)
GL on your upgrade.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19749. Re: My antenna dilemma...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-11 02:56:13 UTC
From: AB2ZY
Topic: 19747 Message: 19749

A ground mounted vertical antenna works fine on 20m. An aluminum flagpole that's about 3/8 wavelengths long on 20m - about 25 feet - makes an antenna that doesn't look like an antenna and, with a bit of loading, can easily be made resonant on both 20m and 40m. 3/8 wl on 20m will give you about 50-60 ohms of radiation resistance, which will help with efficiency if you can't lay down a perfect radial field.

If you use fiberglass or some other insulating material for the pole, it's possible to build a 6 or more band antenna system INSIDE the flagpole. There are also manufacturers of such antennas.

Forget vertical antennas (except a vertical dipole) if you can't lay down radials. The difficulty in doing so is vastly overrated. Lay them on top of the lawn now and they'll have disappeared into the thatch by the first mowing next spring.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "neilkj6fba" <kj6fba@...> wrote:
>
> My current ham activities are limited to 2 meters and 440 and the discone I currently have serves nicely for my UHF / VHF ham radio and for my scanner.
>
> I will be testing for my general license in two weeks and am interested in having an antenna for use in PSK-31 activities (mainly 14.070 mHz). There are some serious restrictions in my homeowners association about antennas "clearly visible from the street".
>
> I could erect a SLIM vertical antenna - maybe extending about 5-8 feet above my roof line. I could also use the random wire (about 100 feet long) that I have routed along the top edge of my wooden fence. I get excellent reception of ham traffic (including PSK-31) using that antenna.
>
> Now the question is: could I adequately load a vertical antenna with no radials at all or load my fence wire antenna with a reasonably priced tuner? For the vertical I could certainly drop a single counterpoise wire of maybe 12-15 feet straight down. Obviously the PSK-31 transmissions would be very low power, perhaps 10 - 20 watts. Yagis or extensive radials are out of the question. I suppose I could run a dipole along the fence but it would be only 5 feet above ground, present impedance issues,and possible receive poorly off the ends. Any HF rig I buy will probably have an SWR meter included. It might even include VHF/UHF with dual antenna inputs!.
>
> Advice or comments sought and eagerly accepted!!
>
> Neil Bell
> Kj6FBA
>

19750. AW: [ham-antennas] Re: My antenna dilemma...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-11 03:55:00 UTC
From: Siegfried Jackstien
Topic: 19747 Message: 19750

Make the vertical 12-12.5m
With a series coil this is a real 5/8 vertical (impedance close to 50 ohms!)
With some low angle gain
And with a series cap you have a bit over 1/4 wl vertical for 40
That magic length will give you 2 bands in one antenna with easy matching
(only one part per band) and both show close to 50 ohms
A 3/8 wl antenna will have higher impedance (close to 100 ohms) ... that is
why the hf6v and hf9v use a quarterwave length of 75 ohms coax for
transforming on 20m
Dg9bfc
Sigi
Ps a slightly different cap and you can use it also on 30m :-)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von AB2ZY
> Gesendet: Sonntag, 11. September 2011 02:56
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: My antenna dilemma...
>
>
>
> A ground mounted vertical antenna works fine on 20m. An aluminum flagpole
> that's about 3/8 wavelengths long on 20m - about 25 feet - makes an
> antenna that doesn't look like an antenna and, with a bit of loading, can
> easily be made resonant on both 20m and 40m. 3/8 wl on 20m will give you
> about 50-60 ohms of radiation resistance, which will help with efficiency
> if you can't lay down a perfect radial field.
>
> If you use fiberglass or some other insulating material for the pole, it's
> possible to build a 6 or more band antenna system INSIDE the flagpole.
> There are also manufacturers of such antennas.
>
> Forget vertical antennas (except a vertical dipole) if you can't lay down
> radials. The difficulty in doing so is vastly overrated. Lay them on top
> of the lawn now and they'll have disappeared into the thatch by the first
> mowing next spring.
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "neilkj6fba" <kj6fba@...> wrote:
> >
> > My current ham activities are limited to 2 meters and 440 and the

> discone I currently have serves nicely for my UHF / VHF ham radio and for
> my scanner.
> >
> > I will be testing for my general license in two weeks and am interested
> in having an antenna for use in PSK-31 activities (mainly 14.070 mHz).
> There are some serious restrictions in my homeowners association about
> antennas "clearly visible from the street".
> >
> > I could erect a SLIM vertical antenna - maybe extending about 5-8 feet
> above my roof line. I could also use the random wire (about 100 feet long)
> that I have routed along the top edge of my wooden fence. I get excellent
> reception of ham traffic (including PSK-31) using that antenna.
> >
> > Now the question is: could I adequately load a vertical antenna with no
> radials at all or load my fence wire antenna with a reasonably priced
> tuner? For the vertical I could certainly drop a single counterpoise wire
> of maybe 12-15 feet straight down. Obviously the PSK-31 transmissions
> would be very low power, perhaps 10 - 20 watts. Yagis or extensive radials
> are out of the question. I suppose I could run a dipole along the fence
> but it would be only 5 feet above ground, present impedance issues,and
> possible receive poorly off the ends. Any HF rig I buy will probably have
> an SWR meter included. It might even include VHF/UHF with dual antenna
> inputs!.
> >
> > Advice or comments sought and eagerly accepted!!
> >
> > Neil Bell
> > Kj6FBA
> >
>
>
>
>

19751. Re: AW: [ham-antennas] Re: My antenna dilemma...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-12 03:45:43 UTC
From: Tom Horton
Topic: 19747 Message: 19751

What about a dipole in the attic...peeps have been doing that for years!
 Tom K5iid

--- On Sat, 9/10/11, Siegfried Jackstien <siegfried.jackstien@...> wrote:

From: Siegfried Jackstien <siegfried.jackstien@freenet.de>
Subject: AW: [ham-antennas] Re: My antenna dilemma...
To: ham-antennas@yahoogroups.com
Date: Saturday, September 10, 2011, 10:55 PM

Make the vertical 12-12.5m
With a series coil this is a real 5/8 vertical (impedance close to 50 ohms!)
With some low angle gain
And with a series cap you have a bit over 1/4 wl vertical for 40
That magic length will give you 2 bands in one antenna with easy matching
(only one part per band) and both show close to 50 ohms
A 3/8 wl antenna will have higher impedance (close to 100 ohms) ... that is
why the hf6v and hf9v use a quarterwave length of 75 ohms coax for
transforming on 20m
Dg9bfc
Sigi
Ps a slightly different cap and you can use it also on 30m :-)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von AB2ZY
> Gesendet: Sonntag, 11. September 2011 02:56
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: My antenna dilemma...
>
>
>
> A ground mounted vertical antenna works fine on 20m. An aluminum flagpole
> that's about 3/8 wavelengths long on 20m - about 25 feet - makes an
> antenna that doesn't look like an antenna and, with a bit of loading, can
> easily be made resonant on both 20m and 40m. 3/8 wl on 20m will give you
> about 50-60 ohms of radiation resistance, which will help with efficiency
> if you can't lay down a perfect radial field.
>
> If you use fiberglass or some other insulating material for the pole, it's
> possible to build a 6 or more band antenna system INSIDE the flagpole.
> There are also manufacturers of such antennas.
>
> Forget vertical antennas (except a vertical dipole) if you can't lay down
> radials. The difficulty in doing so is vastly overrated. Lay them on top
> of the lawn now and they'll have disappeared into the thatch by the first

> mowing next spring.
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "neilkj6fba" <kj6fba@...> wrote:
> >
> > My current ham activities are limited to 2 meters and 440 and the
> discone I currently have serves nicely for my UHF / VHF ham radio and for
> my scanner.
> >
> > I will be testing for my general license in two weeks and am interested
> in having an antenna for use in PSK-31 activities (mainly 14.070 mHz).
> There are some serious restrictions in my homeowners association about
> antennas "clearly visible from the street".
> >
> > I could erect a SLIM vertical antenna - maybe extending about 5-8 feet
> above my roof line. I could also use the random wire (about 100 feet long)
> that I have routed along the top edge of my wooden fence. I get excellent
> reception of ham traffic (including PSK-31) using that antenna.
> >
> > Now the question is: could I adequately load a vertical antenna with no
> radials at all or load my fence wire antenna with a reasonably priced
> tuner? For the vertical I could certainly drop a single counterpoise wire
> of maybe 12-15 feet straight down. Obviously the PSK-31 transmissions
> would be very low power, perhaps 10 - 20 watts. Yagis or extensive radials
> are out of the question. I suppose I could run a dipole along the fence
> but it would be only 5 feet above ground, present impedance issues,and
> possible receive poorly off the ends. Any HF rig I buy will probably have
> an SWR meter included. It might even include VHF/UHF with dual antenna
> inputs!.
> >
> > Advice or comments sought and eagerly accepted!!
> >
> > Neil Bell
> > Kj6FBA
> >
>
>
>
>

[Non-text portions of this message have been removed]

19752. Re: Loop antennas?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-12 07:49:57 UTC
From: roger
Topic: 19543 Message: 19752

You r so rite Jon. Both my tri band and 40meter beams are down for repairs. I built a full wave 80m loop which is cross-polarized for high and low angle and In last 3 months have tore up 20/40/80. I love it. Boy is it quiet. From Tn working JA's also Eur. 279' of 12 stranded. In a triangle shape with the top apex at 50' on my tower. Then pull the bottom corners out until each corner is at the 6' level and the back 93' is 6' across to other corner. Of course you pull as tight as you can. I feed mine at the corner with 450 ohm ladder line for 150' to 4:1 balun to another 9913 coax run of 129' to shack. I don't use the tuner on my ft950 that much. Very broad banded. ARRL (More Wire Antenna classics volume 2, page 4-4 to4-6, Chap 4. I've made a few ants in my 41 yrs as Ham, But in all reality, it shouldn't work this well. Most all came from my junk box except the wire. Wire is not cheap. Build it and let me know. Roger Hughes, W4IV PS: I don't own an amp. I would like to though. Hi HI 73, There is at least 17 been built and own the air in the Tn-Ky area.

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Hi geo
> Don't buy make it!!! absolute doddle 10mm or 3/8" copper pipe and an old variable capacitor out of valve era radio. Now they are not pile up busting (in my case anyway) but they work. I have use mine in upstairs bedroom of our house on 40m and got DL station.
> have fun
> JonG6UWK
>
> To: ham-antennas@yahoogroups.com
> From: yaktur@...
> Date: Wed, 31 Aug 2011 17:36:02 +0000
> Subject: [ham-antennas] Loop antennas?
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
> I'm buying myself one of these little MFJ loop tuners because I'm curious about loops antennas.
>
>
>
> How do loop antennas compare to dipoles for QRP DX?
>
>
>
> Are the tales of being able to run a loop at earth level true or just myth?
>
>
>
> 73s geo VE3GZB
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19753. Re: AW: [ham-antennas] Re: My antenna dilemma...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-12 11:45:20 UTC
From: Frank Kirschner
Topic: 19747 Message: 19753

I put a fan dipole in the attic: 40/15, 30, and 20. I had to bend the 40 meter element at the ends, making a "Z" shape. It worked acceptably, and I was able to work some DX with it. It's not great, but it's better than permanent QRT.

73,
Frank
KF6E

On Sun, Sep 11, 2011 at 11:45 PM, Tom Horton <k5iid@...> wrote:

> **
>
>
> What about a dipole in the attic...peeps have been doing that for years!
> Tom K5iid
>

[Non-text portions of this message have been removed]

19754. Re: My antenna dilemma...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-12 15:14:06 UTC
From: AB2ZY
Topic: 19747 Message: 19754

A 12.5m vertical would not be very stealthy!

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...>
wrote:
>
> Make the vertical 12-12.5m
> With a series coil this is a real 5/8 vertical (impedance close to 50 ohms!)
> With some low angle gain
> And with a series cap you have a bit over 1/4 wl vertical for 40
> That magic length will give you 2 bands in one antenna with easy matching
> (only one part per band) and both show close to 50 ohms
> A 3/8 wl antenna will have higher impedance (close to 100 ohms) ... that is
> why the hf6v and hf9v use a quarterwave length of 75 ohms coax for
> transforming on 20m
> Dg9bfc
> Sigi
> Ps a slightly different cap and you can use it also on 30m :-)
>

19755. AW: [ham-antennas] Re: My antenna dilemma...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-12 16:25:11 UTC
From: Siegfried Jackstien
Topic: 19747 Message: 19755

But an 8m whip with 4.5m wire to next tree maybe?!?
Or the whole antenna only made from wire ... support line from house to tree holds the wire vertical ... that would be more stealthy
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von AB2ZY
> Gesendet: Montag, 12. September 2011 15:14
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: My antenna dilemma...
>
>
>
> A 12.5m vertical would not be very stealthy!
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Siegfried Jackstien"
> <siegfried.jackstien@...> wrote:
> >
> > Make the vertical 12-12.5m
> > With a series coil this is a real 5/8 vertical (impedance close to 50
> ohms!)
> > With some low angle gain
> > And with a series cap you have a bit over 1/4 wl vertical for 40
> > That magic length will give you 2 bands in one antenna with easy
> matching
> > (only one part per band) and both show close to 50 ohms
> > A 3/8 wl antenna will have higher impedance (close to 100 ohms) ... that
> is
> > why the hf6v and hf9v use a quarterwave length of 75 ohms coax for
> > transforming on 20m
> > Dg9bfc
> > Sigi
> > Ps a slightly different cap and you can use it also on 30m :-)
> >
>
>
>
>

19756. Radials Crossing

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-13 01:19:21 UTC
From: Jay
Topic: 19756 Message: 19756

Hi,

I replaced my Butternut vertical with a new DX engineering 43ft. I have 32 radials about 25 ft and want to add more for the DXE, maybe another 20 +/- 40-50 ft ones. My problem is at least half of the radials around the antenna have disappeared in the lawn the other half are visible because there is no lawn in that area just dirt. In the half hidden that is hidden if I lay down more they are more than likely going to cross the ones that are there. How will this affect their performance etc if they cross.

Will I gain much by doing this.

Thanks Jay N1FDX

[Non-text portions of this message have been removed]

19757. 40 meter dipole vs G5RV?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-13 01:43:52 UTC
From: pchapman920
Topic: 19757 Message: 19757

Been switching my old rig, Icom 718 back and forth to my Icom 7410, and only have memory to work with as the G5RV is gone and the dipole is the first of several going up. (with a balun to help keep RF out of the office, and that point is working way better.) So far I am finding the plain old dipole much more quiet on the band than I remember, not picking up power line or other noise, and of course as would be expected performing better as a single band antenna, way better than I expected.

The G5RV was a van Gordon sold by HRO, and I talked around the world with it. Just seems as though there was a higher noise factor overall on all HF bands to deal with. Everything going up, by my own rule, will be close to resonant, to be handled by an internal ATU for tweaking only.

Comments, or similar experience?

19758. Re: [ham-antennas] Radials Crossing

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-13 12:19:19 UTC
From: Ray Kasprzak
Topic: 19756 Message: 19758

I had roughly the same scenario. I had 22 radials that disappeared into the grass. I purchased the radial plate and added 28 more. I am sure that several probably ended up crossing. I have not noticed any detrimental effects and the characteristic impedance has if anything slightly improved. Over reliable propagation paths my signal improved by six db.

☐ ☐ ☐ ☐ ☐ ☐ ☐

Ray Kasprzak

K9RJO

http://rkasprzak.smugmug.com/

http://shutterstock.com/g/rkasprzak

http://k9rjo.myqsx.net/

-------Original Message-------

From: Jay
Date: 9/12/2011 8:19:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Radials Crossing

Hi,

I replaced my Butternut vertical with a new DX engineering 43ft. I have 32 radials about 25 ft and want to add more for the DXE, maybe another 20 +/- 40-50 ft ones. My problem is at least half of the radials around the antenna have disappeared in the lawn the other half are visible because there is no lawn in that area just dirt. In the half hidden that is hidden if I lay down more they are more than likely going to cross the ones that are there. How will this affect their performance etc if they cross.

Will I gain much by doing this.

Thanks Jay N1FDX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19759. Re: [ham-antennas] Radials Crossing

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-13 13:10:37 UTC
From: Ron Youvan
Topic: 19756 Message: 19759

Jay N1FDX wrote:

> I replaced my Butternut vertical with a new DX engineering 43ft. I have 32
> radials about 25 ft and want to add more for the DXE, maybe another 20 +/-
> 40-50 ft ones. My problem is at least half of the radials around the antenna
> have disappeared in the lawn the other half are visible because there is no
> lawn in that area just dirt. In the half hidden that is hidden if I lay down
> more they are more than likely going to cross the ones that are there. How
> will this affect their performance etc if they cross.

> Will I gain much by doing this.

Crossing is no problem. It will decrease your resistive losses, in creasing your efficiency.
The characteristic impedance of the vertical antenna should be lowered by the reduction of series
resistance.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19760. Hustler mobile as portable?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-13 16:02:35 UTC
From: Mike Rodgers
Topic: 19760 Message: 19760

Has anyone used a hustler mobile or similar as a portable antenna with radials laid out?
Would this work as opposed to a mp-1 or similar portable antennas.
I used the hustler with the triple tree so three bands instead of just one at a time.
Thoughts?

Thanks
Mike R

Sent from my spy ring

19761. Re: [ham-antennas] Hustler mobile as portable?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-13 17:11:02 UTC
From: avflinsch@verizon.net
Topic: 19760 Message: 19761

I use an Opek HVT400 as a portable antenna. I have it attached with a trunklid mount to a 4 inch square of steel, with a bunch of random length radials. Works ok when clamped to a picnic table, not the best antenna i the world, but it does the job.

Sep 13, 2011 12:03:32 PM, ham-antennas@yahoogroups.com wrote:

Has anyone used a hustler mobile or similar as a portable antenna with radials laid out?
Would this work as opposed to a mp-1 or similar portable antennas.
I used the hustler with the triple tree so three bands instead of just one at a time.
Thoughts?

Thanks
Mike R

Sent from my spy ring

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19762. Re: [ham-antennas] Hustler mobile as portable?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-13 17:20:14 UTC
From: Frank Kirschner
Topic: 19760 Message: 19762

I used a KJ7U kilowatt model in a semi-fixed configuration with 20 radials. It worked OK. I worked 24 states in about an hour during a 160 meter contest, and it loaded up on all bands from 160 to 2. I sneaked it out into the yard after dark at a QTH where the HOA prohibited outdoor antennas.

73,
Frank
KF6E

On Tue, Sep 13, 2011 at 1:11 PM, <avflinsch@...> wrote:

> **
>
>
>
> I use an Opek HVT400 as a portable antenna. I have it attached with a
> trunklid mount to a 4 inch square of steel, with a bunch of random length
> radials. Works ok when clamped to a picnic table, not the best antenna i the
> world, but it does the job.
>
>
> Sep 13, 2011 12:03:32 PM, ham-antennas@yahoogroups.com wrote:
>
> Has anyone used a hustler mobile or similar as a portable antenna with
> radials laid out?
> Would this work as opposed to a mp-1 or similar portable antennas.
> I used the hustler with the triple tree so three bands instead of just one
> at a time.
> Thoughts?
>
> Thanks
> Mike R
>
> Sent from my spy ring
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links

>
>
>

[Non-text portions of this message have been removed]

19763. Re: 40 meter dipole vs G5RV?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-13 23:52:36 UTC
From: kd8dvy@ymail.com
Topic: 19757 Message: 19763

You have to remember that the noise was not coming from the radiator part of the G5RV it was coming from the twin-lead feed-line. I had the same problem with a homebrew G5RV and then I made a Doublet and it is more quieter than the G5RV because the twin-lead is not acting as part of the receive. Don't ask why it just is.

Also the twin-lead was and used as receive antenna for the analog radio waves that we still have around.

Harold/KD8DVY

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> Been switching my old rig, Icom 718 back and forth to my Icom 7410, and only have memory to work with as the G5RV is gone and the dipole is the first of several going up. (with a balun to help keep RF out of the office, and that point is working way better.) So far I am finding the plain old dipole much more quiet on the band than I remember, not picking up power line or other noise, and of course as would be expected performing better as a single band antenna, way better than I expected.
>
> The G5RV was a van Gordon sold by HRO, and I talked around the world with it. Just seems as though there was a higher noise factor overall on all HF bands to deal with. Everything going up, by my own rule, will be close to resonant, to be handled by an internal ATU for tweaking only.
>
> Comments, or similar experience?
>

19764. is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 00:17:34 UTC
From: Dale H. Cole K8TS
Topic: 19764 Message: 19764

I have been cutting, tweeking, tweeking some more, and cutting even more and now have my 75/80 meter dipole "respectfully"ressonent about 3550 which I can tolarate for cw. My original inion was 3800~. Keeping the antenna intact (no more cutting) will the ends "fold back upon themselves when I want to operate in the DX ssb window without major issues?

I am using 12 gauge thnn attached about 30' up on my tower with a pully and each end spread about 45* to just off the ground. I am using a MFJ 962C tuner and 100 watts. Feeding with coax run of about 60-70'. I am a little afraid of using the internal tuner on my Kenwood, but may be being a little over to causaus.

Any thouoghts

Dale K8TS

[Non-text portions of this message have been removed]

19765. is ther a way

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 00:19:34 UTC
From: Dale H. Cole K8TS
Topic: 19765 Message: 19765

Please excuse typing

Dale

[Non-text portions of this message have been removed]

19766. "Cheap Yagis"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 01:16:33 UTC
From: hitekgearhead
Topic: 19766 Message: 19766

I have seen the websites/pdfs showing how to construct cheap yagi antennas with a half folded dipole driven element so that it can be directly fed with 50ohm coax.

The designs look quite simple and I think I will build one for 2m.

I would also like to build one centered on the GMRS frequencies, but there in lies my problem.

The common dimensions listed on the chart for the 70cm antenna give figures for an antenna centered around 432MHz. There are also dimensions given for a 450MHz version.

I need to scale the antenna for 462MHz but don't really know how to go about that.

I was wondering if you guys might offer a little assistance.

Thanks,
Albert

19767. Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 01:52:34 UTC
From: pchapman920
Topic: 19764 Message: 19767

I'm guessing you are asking if you can pull more copper through the end insulator and wrap it back on itself to increase the freq resonance. I talked to an antenna guy I bought a unit from a couple weeks ago, as it was designed to use as an inverted v and not horizontal as it has to be installed. I did not ask enough questions, but he did tell me to shorten the antenna regardless of band and do a wrap back of an extra 4 inches to each side prior to hanging....add or subtract to find resonance from that point......and leave it for later if needed. I failed to ask him about long term as bare stranded wire undergoes serious oxidation over time. In my case, as what I bought were budget antennas, I am going to tweak and solder. Give it a try....you will probably be OK

--- In ham-antennas@yahoogroups.com, "Dale H. Cole K8TS" <k9ttt@...> wrote:
>
>
>
> I have been cutting, tweeking, tweeking some more, and cutting even more and now have my 75/80 meter dipole "respectfully"ressonent about 3550 which I can tolarate for cw.Â My original inion was 3800~. Keeping the antenna intact (no more cutting) will the ends "fold back upon themselves when I want to operate in the DXÂ ssb window without major issues?
>
>
>
> I am using 12 gauge thnn attached about 30' up on my tower with a pully and each end spread about 45* to just off the ground.Â I am using a MFJ 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am a little afraid of using the internal tuner on my Kenwood, but may be being a little over to causaus.
>
>
>
> Any thouoghts
>
> Dale K8TS
>
>
>
>
> [Non-text portions of this message have been removed]
>

19768. Re: 40 meter dipole vs G5RV?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 01:58:19 UTC
From: pchapman920
Topic: 19757 Message: 19768

Sounds logical....just so many reasons I am going back to simple stuff that is pretty well resonate with the one exception....the MYSTERY W5GI which is going up soon which uses twin lead and a 75 ohm stub to make it quite resonate on 20....I had to check it out....too much curiosity.....

--- In ham-antennas@yahoogroups.com, "kd8dvy@..." <kd8dvy@...> wrote:
>
> You have to remember that the noise was not coming from the radiator part of the G5RV it was coming from the twin-lead feed-line. I had the same problem with a homebrew G5RV and then I made a Doublet and it is more quieter than the G5RV because the twin-lead is not acting as part of the receive. Don't ask why it just is.
>
> Also the twin-lead was and used as receive antenna for the analog radio waves that we still have around.
>
> Harold/KD8DVY
>
> --- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@> wrote:
> >
> > Been switching my old rig, Icom 718 back and forth to my Icom 7410, and only have memory to work with as the G5RV is gone and the dipole is the first of several going up. (with a balun to help keep RF out of the office, and that point is working way better.) So far I am finding the plain old dipole much more quiet on the band than I remember, not picking up power line or other noise, and of course as would be expected performing better as a single band antenna, way better than I expected.
> >
> > The G5RV was a van Gordon sold by HRO, and I talked around the world with it. Just seems as though there was a higher noise factor overall on all HF bands to deal with. Everything going up, by my own rule, will be close to resonant, to be handled by an internal ATU for tweaking only.
> >
> > Comments, or similar experience?
> >
>

19769. Re: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 02:01:34 UTC
From: Dale H. Cole K8TS
Topic: 19764 Message: 19769

you are saying pretty much what i was thinking. However, since I am fairly resonant on the cw (longer) end, I am thinking that when I want to operate DX phone, I should be able to take the (insulated) wire and wrap it's self around to make it shorted for the phone band, without cutting. Am I on the right track?

Dale K8TS

----- Original Message -----

From: "pchapman920" <p_chap@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 13, 2011 9:52:34 PM
Subject: [ham-antennas] Re: is there a way?

I'm guessing you are asking if you can pull more copper through the end insulator and wrap it back on itself to increase the freq resonance. I talked to an antenna guy I bought a unit from a couple weeks ago, as it was designed to use as an inverted v and not horizontal as it has to be installed. I did not ask enough questions, but he did tell me to shorten the antenna regardless of band and do a wrap back of an extra 4 inches to each side prior to hanging....add or subtract to find resonance from that point......and leave it for later if needed. I failed to ask him about long term as bare stranded wire undergoes serious oxidation over time. In my case, as what I bought were budget antennas, I am going to tweak and solder. Give it a try....you will probably be OK

--- In ham-antennas@yahoogroups.com , "Dale H. Cole K8TS" <k9ttt@...> wrote:
>
>
>
> I have been cutting, tweeking, tweeking some more, and cutting even more and now have my 75/80 meter dipole "respectfully"ressonent about 3550 which I can tolarate for cw.Â My original inion was 3800~. Keeping the antenna intact (no more cutting) will the ends "fold back upon themselves when I want to operate in the DXÂ ssb window without major issues?
>
>
>
> I am using 12 gauge thnn attached about 30' up on my tower with a pully and each end spread about 45* to just off the ground.Â I am using a MFJ 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am a little afraid of using the internal tuner on my Kenwood, but may be being a little over to causaus.
>
>
>
> Any thouoghts
>
> Dale K8TS
>

>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19770. AW: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 02:09:50 UTC
From: Siegfried Jackstien
Topic: 19764 Message: 19770

Yes that works ... we do he same thing on fieldday with our inverted v antenna ....(and I do on my resonant radials) lower ends, fold back and use it on phone ...
Lower it again, unwrap and let the end tangle down to lower resonant spot to cw end ... so you can let the insulator attached to the shorter point and let a pigtail tangle down from that .. wrap around to give you the phone or dx portion (3.6, 3.7, whatever)
So ... yes it works ... no need to solder it
Greetz
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dale H. Cole K8TS
> Gesendet: Mittwoch, 14. September 2011 02:02
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: is there a way?
>
>
>
>
>
> you are saying pretty much what i was thinking. However, since I am
> fairly resonant on the cw (longer) end, I am thinking that when I want to
> operate DX phone, I should be able to take the (insulated) wire and wrap
> it's self around to make it shorted for the phone band, without cutting.
> Am I on the right track?
>
> Dale K8TS
>
> ----- Original Message -----
>
> From: "pchapman920" <p_chap@... <mailto:p_chap%40bellsouth.net>
> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Tuesday, September 13, 2011 9:52:34 PM
> Subject: [ham-antennas] Re: is there a way?
>
>
>
>
> I'm guessing you are asking if you can pull more copper through the end
> insulator and wrap it back on itself to increase the freq resonance. I
> talked to an antenna guy I bought a unit from a couple weeks ago, as it
> was designed to use as an inverted v and not horizontal as it has to be

> installed. I did not ask enough questions, but he did tell me to shorten
> the antenna regardless of band and do a wrap back of an extra 4 inches to
> each side prior to hanging....add or subtract to find resonance from that
> point......and leave it for later if needed. I failed to ask him about
> long term as bare stranded wire undergoes serious oxidation over time. In
> my case, as what I bought were budget antennas, I am going to tweak and
> solder. Give it a try....you will probably be OK
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Dale H. Cole K8TS" <k9ttt@...> wrote:
> >
> >
> >
> > I have been cutting, tweeking, tweeking some more, and cutting even more
> and now have my 75/80 meter dipole "respectfully"ressonent about 3550
> which I can tolarate for cw.Â My original inion was 3800~. Keeping the
> antenna intact (no more cutting) will the ends "fold back upon themselves
> when I want to operate in the DXÂ ssb window without major issues?
> >
> >
> >
> > I am using 12 gauge thnn attached about 30' up on my tower with a pully
> and each end spread about 45* to just off the ground.Â I am using a MFJ
> 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am a
> little afraid of using the internal tuner on my Kenwood, but may be being
> a little over to causaus.
> >
> >
> >
> > Any thouoghts
> >
> > Dale K8TS
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19771. Re: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 02:14:39 UTC
From: Ron Youvan
Topic: 19764 Message: 19771

pchapman920 wrote:

> I'm guessing you are asking if you can pull more copper through the end insulator and wrap it back
> on itself to increase the freq resonance. I talked to an antenna guy I bought a unit from a couple
> weeks ago, as it was designed to use as an inverted v and not horizontal as it has to be installed.
> I did not ask enough questions, but he did tell me to shorten the antenna regardless of band and do
> a wrap back of an extra 4 inches to each side prior to hanging....add or subtract to find resonance
> from that point......and leave it for later if needed. I failed to ask him about long term as bare
> stranded wire undergoes serious oxidation over time. In my case, as what I bought were budget
> antennas, I am going to tweak and solder. Give it a try....you will probably be OK

I always cut each half of my dipoles 6 feet to long, I run the end back through the end insulator
coming back 3 or 4 feet the I secure the end with a small "split bolt." I test and loosen and slide
the end back or fourth with the "split bolt" and wire end back or fourth as required.
I bend about an inch of the end of the wire back at 90 degrees just past the "split bolt."
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19772. Re: AW: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 02:21:22 UTC
From: Dale H. Cole K8TS
Topic: 19764 Message: 19772

yes Sigi......that was the answer i was hoping to get! I much prefer 'phone over cw, but occassionly like to get on cw for contest's. Thant will make it so much easier......and I have the day off tommorrow to prune it right!

Dale K8TS

----- Original Message -----

From: "Siegfried Jackstien" <siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 13, 2011 10:09:50 PM
Subject: AW: [ham-antennas] Re: is there a way?

Yes that works ... we do he same thing on fieldday with our inverted v
antenna ....(and I do on my resonant radials) lower ends, fold back and use
it on phone ...
Lower it again, unwrap and let the end tangle down to lower resonant spot to
cw end ... so you can let the insulator attached to the shorter point and
let a pigtail tangle down from that .. wrap around to give you the phone or
dx portion (3.6, 3.7, whatever)
So ... yes it works ... no need to solder it
Greetz
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto: ham-antennas@yahoogroups.com] Im
> Auftrag von Dale H. Cole K8TS
> Gesendet: Mittwoch, 14. September 2011 02:02
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: is there a way?
>
>
>
>
>
> you are saying pretty much what i was thinking. However, since I am
> fairly resonant on the cw (longer) end, I am thinking that when I want to
> operate DX phone, I should be able to take the (insulated) wire and wrap
> it's self around to make it shorted for the phone band, without cutting.
> Am I on the right track?
>
> Dale K8TS
>
> ----- Original Message -----
>

> From: "pchapman920" < p_chap@... <mailto:p_chap%40bellsouth.net>
> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Tuesday, September 13, 2011 9:52:34 PM
> Subject: [ham-antennas] Re: is there a way?
>
>
>
> I'm guessing you are asking if you can pull more copper through the end
> insulator and wrap it back on itself to increase the freq resonance. I
> talked to an antenna guy I bought a unit from a couple weeks ago, as it
> was designed to use as an inverted v and not horizontal as it has to be
> installed. I did not ask enough questions, but he did tell me to shorten
> the antenna regardless of band and do a wrap back of an extra 4 inches to
> each side prior to hanging....add or subtract to find resonance from that
> point......and leave it for later if needed. I failed to ask him about
> long term as bare stranded wire undergoes serious oxidation over time. In
> my case, as what I bought were budget antennas, I am going to tweak and
> solder. Give it a try....you will probably be OK
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Dale H. Cole K8TS" <k9ttt@...> wrote:
> >
> >
> >
> > I have been cutting, tweeking, tweeking some more, and cutting even more
> and now have my 75/80 meter dipole "respectfully"ressonent about 3550
> which I can tolarate for cw.Â My original inion was 3800~. Keeping the
> antenna intact (no more cutting) will the ends "fold back upon themselves
> when I want to operate in the DXÂ ssb window without major issues?
> >
> >
> >
> > I am using 12 gauge thnn attached about 30' up on my tower with a pully
> and each end spread about 45* to just off the ground.Â I am using a MFJ
> 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am a
> little afraid of using the internal tuner on my Kenwood, but may be being
> a little over to causaus.
> >
> >
> >
> > Any thouoghts
> >
> > Dale K8TS
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >

>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19773. Re: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 02:23:36 UTC
From: Dale H. Cole K8TS
Topic: 19764 Message: 19773

neat idea.....and i think i got a couple

----- Original Message -----
From: "Ron Youvan" <ka4inm@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 13, 2011 10:14:39 PM
Subject: Re: [ham-antennas] Re: is there a way?

pchapman920 wrote:

> I'm guessing you are asking if you can pull more copper through the end insulator and wrap it back
> on itself to increase the freq resonance. I talked to an antenna guy I bought a unit from a couple
> weeks ago, as it was designed to use as an inverted v and not horizontal as it has to be installed.
> I did not ask enough questions, but he did tell me to shorten the antenna regardless of band and do
> a wrap back of an extra 4 inches to each side prior to hanging....add or subtract to find resonance
> from that point......and leave it for later if needed. I failed to ask him about long term as bare
> stranded wire undergoes serious oxidation over time. In my case, as what I bought were budget
> antennas, I am going to tweak and solder. Give it a try....you will probably be OK

I always cut each half of my dipoles 6 feet to long, I run the end back through the end insulator
coming back 3 or 4 feet the I secure the end with a small "split bolt." I test and loosen and slide
the end back or fourth with the "split bolt" and wire end back or fourth as required.
I bend about an inch of the end of the wire back at 90 degrees just past the "split bolt."
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

[Non-text portions of this message have been removed]

19774. Re: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 02:42:38 UTC
From: Dennis Mingear
Topic: 19764 Message: 19774

Yes Dale you are on the "right track", I've been using dipoles for years and I still haven't learned how to cut them the right length. On 160 or 80 I always cut the antenna a couple of feet long and then just fold the excess back onto itself with a twist or two.

If I feel like it, I will trim the excess off when I'm done tuning, but I've learned to not get into a big hurry with the trimming part, use the antenna a few days or weeks before cutting the excess wire off. I always end up tinkering with the antenna for a few weeks before I chop off any extra wire.

I usually use a couple of cable ties to keep the excess wire from unwinding until I decide to cut it.

And yes, I've used your strategy many times over the years, good luck with your project Dale.

73 ,,, Denny ... AI6R

From: Dale H. Cole K8TS <k9ttt@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 13, 2011 7:01 PM
Subject: Re: [ham-antennas] Re: is there a way?

you are saying pretty much what i was thinking. However, since I am fairly resonant on the cw (longer) end, I am thinking that when I want to operate DX phone, I should be able to take the (insulated) wire and wrap it's self around to make it shorted for the phone band, without cutting. Am I on the right track?

Dale K8TS

----- Original Message -----

From: "pchapman920" <p_chap@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 13, 2011 9:52:34 PM
Subject: [ham-antennas] Re: is there a way?

I'm guessing you are asking if you can pull more copper through the end insulator and wrap it back on itself to increase the freq resonance. I talked to an antenna guy I bought a unit from a couple weeks ago, as it was designed to use as an inverted v and not horizontal as it has to be installed. I did not ask enough questions, but he did tell me to shorten the antenna regardless of band and do a wrap back of an extra 4 inches to each side prior to hanging....add or subtract to find resonance from that point......and leave it for later if needed. I failed to ask him about long term as bare stranded wire undergoes serious oxidation over time. In my case, as what I bought were budget antennas, I am going to tweak and solder. Give it a try....you will probably be OK

--- In ham-antennas@yahoogroups.com , "Dale H. Cole K8TS" <k9ttt@...> wrote:
>
>
>
> I have been cutting, tweeking, tweeking some more, and cutting even more and now have my 75/80 meter dipole "respectfully"ressonent about 3550 which I can tolarate for cw.Â My original inion was 3800~. Keeping the antenna intact (no more cutting) will the ends "fold back upon themselves when I want to operate in the DXÂ ssb window without major issues?
>
>
>
> I am using 12 gauge thnn attached about 30' up on my tower with a pully and each end spread about 45* to just off the ground.Â I am using a MFJ 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am a little afraid of using the internal tuner on my Kenwood, but may be being a little over to causaus.
>
>
>
> Any thouoghts
>
> Dale K8TS
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19775. Aging coax question, a different one

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 02:48:35 UTC
From: pchapman920
Topic: 19775 Message: 19775

Trying to recycle as much as possible.....why waste money and throw stuff away that can be reused anyway?

Have 50 or sixty feet of RG8X that was part of my old G5RV, just enough feed line for one of my double bazookas going up. 259's already done so I will find out more later, but have a couple of questions. I cut off a foot or so from where the outside connection was made and it was the same as where I cut it only a few inches. The braiding was blackened, and I thought that might be from aging jacket bleed. It cleaned up ok, although the coating was a little heavy. The jacket itself is still in decent condition with no cracking or loss of flexibility.....about eight years old.....and most decent RG8X is rated 12-15 years. To my surprise, the inner conductor was very much the same....blackened and took a bit of effort to clean up. In examining the dielectric (around the center stranding conductor), it seemed to be fine....no discoloring, still soft, not brittle at all, and ohming out both conductors a near perfect zero on two decent, one an (very) old high end Mura Analog and the other a new higher end (within the brand) Amprobe DMM,(owned by Fluke) although not Fluke brand meters.

I'm sure the proof will come when I get the antenna up and see the SWR as a go or no go, but wondered what others have experienced when using older coax, if it is pretty much the same with the blackening when all of the physical characteristics are still in decent shape?

Thanks,
Paul WA4NUN

19776. heliax for mobile

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 06:42:07 UTC
From: hitekgearhead
Topic: 19776 Message: 19776

I was just wondering if the smaller superflex types of heliax would be appropriate at all for mobile applications? Anyone ever try it?

I know you might say WHY?... being as the cable run might be only 20 ft, and if I used something like LMR-240 ultraflex I would have pretty minimal loss even at the upper end of UHF.

So... just for argument sake, lets say there is just some lying in the back of my ham shack closet.

Thoughts, ideas, arguments?.....

19777. peltaway antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 06:48:27 UTC
From: jo barden
Topic: 19777 Message: 19777

Hi all
I have found this website http://deepfriedneon.com/tesla_f_calcspiral.html it calculates the inductance of a spiral of conductor in a flat plane so if you fancy making peltaway or spiral antenna may be of use. Being really sad I was thinking about how to calculate length of a spiral on a cone. I was thinking of using a fishing pole and putting window alarm tape as a spiral up it and how to work out pole dimensions etc.
My reasoning was that the tape is 1/4" wide so should be quite broadband compared to wire and would not break the bank as "something to play with" to make a 3/8 wave vertical or similar for 20m. I do have some mad ideas just before I fall asleep.
Any thoughts? not a mathematician myself.
Jon
G6UWK

[Non-text portions of this message have been removed]

19778. Re: [ham-antennas] Aging coax question, a different one

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 09:09:30 UTC
From: Benjamin Straw - KC9UNS
Topic: 19775 Message: 19778

I'm sorry but the coax is bad, if it's black inside that means water/moisture got inside and is no-longer good. I would recommend replacing the whole coax.

On Sep 13, 2011, at 9:48 PM, "pchapman920" <p_chap@...> wrote:

> Trying to recycle as much as possible.....why waste money and throw stuff away that can be reused anyway?
>
> Have 50 or sixty feet of RG8X that was part of my old G5RV, just enough feed line for one of my double bazookas going up. 259's already done so I will find out more later, but have a couple of questions. I cut off a foot or so from where the outside connection was made and it was the same as where I cut it only a few inches. The braiding was blackened, and I thought that might be from aging jacket bleed. It cleaned up ok, although the coating was a little heavy. The jacket itself is still in decent condition with no cracking or loss of flexibility.....about eight years old.....and most decent RG8X is rated 12-15 years. To my surprise, the inner conductor was very much the same....blackened and took a bit of effort to clean up. In examining the dielectric (around the center stranding conductor), it seemed to be fine....no discoloring, still soft, not brittle at all, and ohming out both conductors a near perfect zero on two decent, one an (very) old high end Mura Analog and the other a new higher end (within the brand) Amprobe DMM,(owned by Fluke) although not Fluke brand meters.
>
> I'm sure the proof will come when I get the antenna up and see the SWR as a go or no go, but wondered what others have experienced when using older coax, if it is pretty much the same with the blackening when all of the physical characteristics are still in decent shape?
>
> Thanks,
> Paul WA4NUN
>
>

[Non-text portions of this message have been removed]

19779. AW: AW: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 10:05:05 UTC
From: Siegfried Jackstien
Topic: 19764 Message: 19779

Let the ends a bit longer as needed for cw (do not cut more)
If you erect the aerial higher the esonant point will go up (less capacitance to ground) and you would have to add wire to the ends if cut too short ...
And here explanation WHY this works:
On the end of the dipole you have almost no current but high voltage
And that is why the wrapped end couple so strong to the inner part

Now if you wrap the ends around to shorten it the end becomes "invisible" for the rf cause the inner part (the long leg) and the outer wrapped around end couple together as they were a bit thicker radiator

We also did this on a fieldday with a vertical antenna to change from one band to another
We erected a 10m vertical with a top-hat wire to make it resonant on 80 (Upper and outer or inverted l)
With loosing the guy line and let the end down to the pole the resonance raised from 80m band to 40m band (but that was a LONG end to make invisible)
So ... yes definitively it works :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dale H. Cole K8TS
> Gesendet: Mittwoch, 14. September 2011 02:21
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: is there a way?
>
>
>
>
>
> yes Sigi......that was the answer i was hoping to get! I much prefer
> 'phone over cw, but occassionly like to get on cw for contest's. Thant
> will make it so much easier......and I have the day off tommorrow to prune
> it right!
>
> Dale K8TS
>
> ----- Original Message -----
>
> From: "Siegfried Jackstien" <siegfried.jackstien@...
> <mailto:siegfried.jackstien%40freenet.de> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Tuesday, September 13, 2011 10:09:50 PM

> Subject: AW: [ham-antennas] Re: is there a way?
>
>
>
> Yes that works ... we do he same thing on fieldday with our inverted v
> antenna ....(and I do on my resonant radials) lower ends, fold back and
> use
> it on phone ...
> Lower it again, unwrap and let the end tangle down to lower resonant spot
> to
> cw end ... so you can let the insulator attached to the shorter point and
> let a pigtail tangle down from that .. wrap around to give you the phone
> or
> dx portion (3.6, 3.7, whatever)
> So ... yes it works ... no need to solder it
> Greetz
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> [mailto: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > Auftrag von Dale H. Cole K8TS
> > Gesendet: Mittwoch, 14. September 2011 02:02
> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Betreff: Re: [ham-antennas] Re: is there a way?
> >
> >
> >
> >
> >
> > you are saying pretty much what i was thinking. However, since I am
> > fairly resonant on the cw (longer) end, I am thinking that when I want
> to
> > operate DX phone, I should be able to take the (insulated) wire and wrap
> > it's self around to make it shorted for the phone band, without cutting.
> > Am I on the right track?
> >
> > Dale K8TS
> >
> > ----- Original Message -----
> >
> > From: "pchapman920" < p_chap@...
> <mailto:p_chap%40bellsouth.net> <mailto:p_chap%40bellsouth.net>
> > >
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Tuesday, September 13, 2011 9:52:34 PM
> > Subject: [ham-antennas] Re: is there a way?

> >
> >
> >
> > I'm guessing you are asking if you can pull more copper through the end
> > insulator and wrap it back on itself to increase the freq resonance. I
> > talked to an antenna guy I bought a unit from a couple weeks ago, as it
> > was designed to use as an inverted v and not horizontal as it has to be
> > installed. I did not ask enough questions, but he did tell me to shorten
> > the antenna regardless of band and do a wrap back of an extra 4 inches
> to
> > each side prior to hanging....add or subtract to find resonance from
> that
> > point......and leave it for later if needed. I failed to ask him about
> > long term as bare stranded wire undergoes serious oxidation over time.
> In
> > my case, as what I bought were budget antennas, I am going to tweak and
> > solder. Give it a try....you will probably be OK
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-
> > antennas%40yahoogroups.com> , "Dale H. Cole K8TS" <k9ttt@...> wrote:
> > >
> > >
> > >
> > > I have been cutting, tweeking, tweeking some more, and cutting even
> more
> > and now have my 75/80 meter dipole "respectfully"ressonent about 3550
> > which I can tolarate for cw.Â My original inion was 3800~. Keeping the
> > antenna intact (no more cutting) will the ends "fold back upon
> themselves
> > when I want to operate in the DXÂ ssb window without major issues?
> > >
> > >
> > >
> > > I am using 12 gauge thnn attached about 30' up on my tower with a
> pully
> > and each end spread about 45* to just off the ground.Â I am using a MFJ
> > 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am a
> > little afraid of using the internal tuner on my Kenwood, but may be
> being
> > a little over to causaus.
> > >
> > >
> > >
> > > Any thouoghts
> > >
> > > Dale K8TS
> > >
> > >
> > >

> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19780. Re: [ham-antennas] "Cheap Yagis"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 12:29:47 UTC
From: Frank Kirschner
Topic: 19766 Message: 19780

L(desired) X F(desired) = L(given) X F(given)

where L(desired) and F(desired) are the length and frequency you want, respectively, and L(given) and F(given) are the numbers given in the chart. So

L(desired) = L(given) X F(given) / F(desired)

Units don't matter as long as they are consistent.

This formula will work over a considerable range, as long as you don't change the ratio of the length to diameter of the elements so much that the velocity factor changes.

73,
Frank
KF6E

On Tue, Sep 13, 2011 at 9:16 PM, hitekgearhead <hitekgearhead@...>wrote:

> **
>
>
> I have seen the websites/pdfs showing how to construct cheap yagi antennas
> with a half folded dipole driven element so that it can be directly fed with
> 50ohm coax.
>
> The designs look quite simple and I think I will build one for 2m.
>
> I would also like to build one centered on the GMRS frequencies, but there
> in lies my problem.
>
> The common dimensions listed on the chart for the 70cm antenna give figures
> for an antenna centered around 432MHz. There are also dimensions given for a
> 450MHz version.
>
> I need to scale the antenna for 462MHz but don't really know how to go
> about that.
>
> I was wondering if you guys might offer a little assistance.
>
> Thanks,
> Albert
>
>
>

[Non-text portions of this message have been removed]

19781. Re: AW: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 13:41:27 UTC
From: Ron Youvan
Topic: 19764 Message: 19781

Siegfried Dg9bfc Jackstien wrote:

> Yes that works ... we do he same thing on fieldday with our inverted v
> antenna ....(and I do on my resonant radials) lower ends, fold back and use
> it on phone ...
> Lower it again, unwrap and let the end tangle down to lower resonant spot to
> cw end ... so you can let the insulator attached to the shorter point and
> let a pigtail tangle down from that .. wrap around to give you the phone or
> dx portion (3.6, 3.7, whatever)
> So ... yes it works ... no need to solder it

I have never heard of this, but I have heard of two related schemes.
I have seen an egg insulator with a removable shorting jumper wire. (with a small battery clip)
This was on an inverted "V" at field day. It took 30 seconds to change bands.

I have read about going out 3/4 the way to the end of the dipole and add (with a split bolt)
another wire that drops straight down to add a higher frequency band or to broaden one band. I have
not tried this method. Remember for health and safety no one should be able to reach up and touch
the wire ends.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19782. Re: [ham-antennas] heliax for mobile

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 14:02:06 UTC
From: Ron Youvan
Topic: 19776 Message: 19782

hitekgearhead wrote:

> I was just wondering if the smaller superflex types of heliax would be appropriate at all for mobile
> applications? Anyone ever try it?

> I know you might say WHY?... being as the cable run might be only 20 ft, and if I used something
> like LMR-240 ultraflex I would have pretty minimal loss even at the upper end of UHF.

> So... just for argument sake, lets say there is just some lying in the back of my ham shack closet.

> Thoughts, ideas, arguments? ...

The only problem with the use of superflex helax is it's intolerance to repeated flexing. Incidentally 1/4" superflex has greater power handling capacity and lower loss than RG-214/U coax.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19783. Re: AW: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 14:35:16 UTC
From: Joe
Topic: 19764 Message: 19783

If your primary mode is Phone, I'd cut it to be the best where you
mostly operate. Then Like we do on Field Day here we have "Stubs" where
all they are is an alligator clip and the extra length of needed wire to
drag it down to the bottom portions of the band. One on each ens and we
just clip it to the ends and done.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/13/2011 9:21 PM, Dale H. Cole K8TS wrote:
>
> yes Sigi......that was the answer i was hoping to get! I much prefer 'phone over cw, but occassionly like to get on cw for contest's. Thant will make it so much easier......and I have the day off tommorrow to prune it right!
>
> Dale K8TS
>
>
>
> ----- Original Message -----
>
>
> From: "Siegfried Jackstien"<siegfried.jackstien@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, September 13, 2011 10:09:50 PM
> Subject: AW: [ham-antennas] Re: is there a way?
>
>
>
>
>
>
>
> Yes that works ... we do he same thing on fieldday with our inverted v
> antenna ....(and I do on my resonant radials) lower ends, fold back and use
> it on phone ...
> Lower it again, unwrap and let the end tangle down to lower resonant spot to
> cw end ... so you can let the insulator attached to the shorter point and
> let a pigtail tangle down from that .. wrap around to give you the phone or
> dx portion (3.6, 3.7, whatever)
> So ... yes it works ... no need to solder it
> Greetz
> Dg9bfc

> Sigi
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto: ham-antennas@yahoogroups.com] Im
>> Auftrag von Dale H. Cole K8TS
>> Gesendet: Mittwoch, 14. September 2011 02:02
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: [ham-antennas] Re: is there a way?
>>
>>
>>
>>
>>
>> you are saying pretty much what i was thinking. However, since I am
>> fairly resonant on the cw (longer) end, I am thinking that when I want to
>> operate DX phone, I should be able to take the (insulated) wire and wrap
>> it's self around to make it shorted for the phone band, without cutting.
>> Am I on the right track?
>>
>> Dale K8TS
>>
>> ----- Original Message -----
>>
>> From: "pchapman920"< p_chap@...<mailto:p_chap%40bellsouth.net>
>> To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
>> Sent: Tuesday, September 13, 2011 9:52:34 PM
>> Subject: [ham-antennas] Re: is there a way?
>>
>>
>>
>> I'm guessing you are asking if you can pull more copper through the end
>> insulator and wrap it back on itself to increase the freq resonance. I
>> talked to an antenna guy I bought a unit from a couple weeks ago, as it
>> was designed to use as an inverted v and not horizontal as it has to be
>> installed. I did not ask enough questions, but he did tell me to shorten
>> the antenna regardless of band and do a wrap back of an extra 4 inches to
>> each side prior to hanging....add or subtract to find resonance from that
>> point......and leave it for later if needed. I failed to ask him about
>> long term as bare stranded wire undergoes serious oxidation over time. In
>> my case, as what I bought were budget antennas, I am going to tweak and
>> solder. Give it a try....you will probably be OK
>>
>> --- In ham-antennas@yahoogroups.com<mailto:ham-
>> antennas%40yahoogroups.com> , "Dale H. Cole K8TS"<k9ttt@...> wrote:
>>>
>>>
>>> I have been cutting, tweeking, tweeking some more, and cutting even more
>> and now have my 75/80 meter dipole "respectfully"ressonent about 3550
>> which I can tolarate for cw.Â My original inion was 3800~. Keeping the
>> antenna intact (no more cutting) will the ends "fold back upon themselves

>> when I want to operate in the DXÂ ssb window without major issues?
>>>
>>>
>>> I am using 12 gauge thnn attached about 30' up on my tower with a pully
>> and each end spread about 45* to just off the ground.Â I am using a MFJ
>> 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am a
>> little afraid of using the internal tuner on my Kenwood, but may be being
>> a little over to causaus.
>>>
>>>
>>> Any thouoghts
>>>
>>> Dale K8TS
>>>
>>>
>>>
>>>
>>> [Non-text portions of this message have been removed]
>>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19784. Re: [ham-antennas] "Cheap Yagis"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 14:56:57 UTC
From: Joe
Topic: 19766 Message: 19784

Seems ya got it backwards.

But anyway yes scaling EVERYTHING does get you soo close you won't know
the difference.

so lets try this as an example. you have an antenna that is made for
435MHz and you want to scale it to 470 MHz simple.

So say the element length of the existing antenna is 12 inches,

the formula works out

12 times 435, divided by 470 equals 11.106 inches long
element diameter is 1/8 " 0.125

0.125 times 435 divided by 470 equals 0.115" diameter

Just scale everything and it will work.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/14/2011 7:29 AM, Frank Kirschner wrote:
> L(desired) X F(desired) = L(given) X F(given)
>
> where L(desired) and F(desired) are the length and frequency you want,
> respectively, and L(given) and F(given) are the numbers given in the chart.
> So
>
> L(desired) = L(given) X F(given) / F(desired)
>
> Units don't matter as long as they are consistent.
>
> This formula will work over a considerable range, as long as you don't
> change the ratio of the length to diameter of the elements so much that the
> velocity factor changes.
>
> 73,
> Frank
> KF6E
>
> On Tue, Sep 13, 2011 at 9:16 PM, hitekgearhead<hitekgearhead@...>wrote:
>

>> **
>>
>>
>> I have seen the websites/pdfs showing how to construct cheap yagi antennas
>> with a half folded dipole driven element so that it can be directly fed with
>> 50ohm coax.
>>
>> The designs look quite simple and I think I will build one for 2m.
>>
>> I would also like to build one centered on the GMRS frequencies, but there
>> in lies my problem.
>>
>> The common dimensions listed on the chart for the 70cm antenna give figures
>> for an antenna centered around 432MHz. There are also dimensions given for a
>> 450MHz version.
>>
>> I need to scale the antenna for 462MHz but don't really know how to go
>> about that.
>>
>> I was wondering if you guys might offer a little assistance.
>>
>> Thanks,
>> Albert
>>
>>
>>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

19785. Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 15:09:08 UTC
From: g4ldsqrp
Topic: 19764 Message: 19785

Trying not to open a can of worms, but as you bring it to resonate, are you trimming to produce a 50ohm match or a low VSWR match?

One school of thought goes for setting up aerials to produce a 50 Ohm match (zero Xl/Xc) the other school which we mostly go for is to trim for a min VSWR @ Tx where you want to operate.

Chris
G4LDS

19786. Re: "Cheap Yagis"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 15:14:20 UTC
From: Mike Rodgers
Topic: 19766 Message: 19786

Have you tried a email to the designer of the cheap yagi?

73
Mike R

Sent from my spy ring

19787. Re: Aging coax question, a different one

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 15:56:30 UTC
From: pchapman920
Topic: 19775 Message: 19787

You are probably right. I can only hope that you are wrong. I've already done the connections and assembly. I was waiting on help to get the all band antenna over the house and take the 20 meter bazooka with it, but think now Ill just hoist the bazooka for a test drive, so if I have to order more coax I'll know before going through a lot of trouble twice. Getting an antenna over a house with architect style shingles is a pain cuz they grab everything that hits.

--- In ham-antennas@yahoogroups.com, Benjamin Straw - KC9UNS <kc9uns@...> wrote:
>
> I'm sorry but the coax is bad, if it's black inside that means water/moisture got inside and is no-longer good. I would recommend replacing the whole coax.
>
> On Sep 13, 2011, at 9:48 PM, "pchapman920" <p_chap@...> wrote:
>

>

19788. Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 16:03:44 UTC
From: fred
Topic: 19764 Message: 19788

You are trimming for resonance more than anything . as long as you get it below 1 5 to 1 most modern transceivers can handle it . my dual band 20/40 metre dipole is resonant with a 1.3 to 1 SWR at 7237.5 khz and 14227.5 khz and the measured resistance with a MFJ analyser is 30 ohms . The FT 950 is quite happy with it without the internal tuner . the swr does go up a bit at the band edges but is not out of range of the internal tuner .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "g4ldsqrp" <honywood@...> wrote:
>
> Trying not to open a can of worms, but as you bring it to resonate, are you trimming to produce a 50ohm match or a low VSWR match?
>
> One school of thought goes for setting up aerials to produce a 50 Ohm match (zero Xl/Xc) the other school which we mostly go for is to trim for a min VSWR @ Tx where you want to operate.
>
> Chris
> G4LDS
>

19789. Re: [ham-antennas] heliax for mobile

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 16:58:49 UTC
From: dean
Topic: 19776 Message: 19789

If you got it use it as its free. Nobody wants to argue. You being the person who makes the final decision always it matters not what you use. I myself use a diamond VHF/UHF antenna. The coax is not as long as I wanted so I put a 6’ piece of LMR 400 ultraflex on the end of my coax. Seems to work just great. I’m of the opinion that when doing FM VHF/UHF it matters not what you use at all. I would use LMR 400 ultraflex from the antenna to the radio for the lowest line loss but that is not practical. For my home shack I will be using LMR 400 from antenna to the switch and from the switch I use LMR 400 ultraflex.

just my $0.02

Enjoy

73, WY6L

From: hitekgearhead
Sent: Tuesday, September 13, 2011 11:42 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] heliax for mobile

I was just wondering if the smaller superflex types of heliax would be appropriate at all for mobile applications? Anyone ever try it?

I know you might say WHY?... being as the cable run might be only 20 ft, and if I used something like LMR-240 ultraflex I would have pretty minimal loss even at the upper end of UHF.

So... just for argument sake, lets say there is just some lying in the back of my ham shack closet.

Thoughts, ideas, arguments?.....

[Non-text portions of this message have been removed]

19790. Re: [ham-antennas] Re: Aging coax question, a different one

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 17:02:15 UTC
From: dean
Topic: 19775 Message: 19790

Personally I prefer the LMR 400 coax. Not too many coax’s better and easier to use that.

73, WY6L

From: pchapman920
Sent: Wednesday, September 14, 2011 8:56 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Aging coax question, a different one

You are probably right. I can only hope that you are wrong. I've already done the connections and assembly. I was waiting on help to get the all band antenna over the house and take the 20 meter bazooka with it, but think now Ill just hoist the bazooka for a test drive, so if I have to order more coax I'll know before going through a lot of trouble twice. Getting an antenna over a house with architect style shingles is a pain cuz they grab everything that hits.

--- In mailto:ham-antennas%40yahoogroups.com, Benjamin Straw - KC9UNS <kc9uns@...> wrote:
>
> I'm sorry but the coax is bad, if it's black inside that means water/moisture got inside and is no-longer good. I would recommend replacing the whole coax.
>
> On Sep 13, 2011, at 9:48 PM, "pchapman920" <p_chap@...> wrote:
>

>

[Non-text portions of this message have been removed]

19791. Re: AW: AW: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 17:06:18 UTC
From: dean
Topic: 19764 Message: 19791

Siegfried what is a top hat wire. I have an A-99 10 meter antenna. I would be very much interested in learning how to also do 80 meters with it. The antenna base is up about 20 ft off the ground and the bottom of the pole is up 2250 ft.

73, WY6L

From: Siegfried Jackstien
Sent: Wednesday, September 14, 2011 3:05 AM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Re: is there a way?

Let the ends a bit longer as needed for cw (do not cut more)
If you erect the aerial higher the esonant point will go up (less capacitance to ground) and you would have to add wire to the ends if cut too short ...
And here explanation WHY this works:
On the end of the dipole you have almost no current but high voltage
And that is why the wrapped end couple so strong to the inner part

Now if you wrap the ends around to shorten it the end becomes "invisible" for the rf cause the inner part (the long leg) and the outer wrapped around end couple together as they were a bit thicker radiator

We also did this on a fieldday with a vertical antenna to change from one band to another
We erected a 10m vertical with a top-hat wire to make it resonant on 80 (Upper and outer or inverted l)
With loosing the guy line and let the end down to the pole the resonance raised from 80m band to 40m band (but that was a LONG end to make invisible)
So ... yes definitively it works :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Dale H. Cole K8TS
> Gesendet: Mittwoch, 14. September 2011 02:21
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: is there a way?
>
>
>
>
>
> yes Sigi......that was the answer i was hoping to get! I much prefer

> 'phone over cw, but occassionly like to get on cw for contest's. Thant
> will make it so much easier......and I have the day off tommorrow to prune
> it right!
>
> Dale K8TS
>
> ----- Original Message -----
>
> From: "Siegfried Jackstien" <mailto:siegfried.jackstien%40freenet.de
> <mailto:siegfried.jackstien%40freenet.de> >
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Tuesday, September 13, 2011 10:09:50 PM
> Subject: AW: [ham-antennas] Re: is there a way?
>
>
>
> Yes that works ... we do he same thing on fieldday with our inverted v
> antenna ....(and I do on my resonant radials) lower ends, fold back and
> use
> it on phone ...
> Lower it again, unwrap and let the end tangle down to lower resonant spot
> to
> cw end ... so you can let the insulator attached to the shorter point and
> let a pigtail tangle down from that .. wrap around to give you the phone
> or
> dx portion (3.6, 3.7, whatever)
> So ... yes it works ... no need to solder it
> Greetz
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> [mailto: mailto:ham-antennas%40yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > Auftrag von Dale H. Cole K8TS
> > Gesendet: Mittwoch, 14. September 2011 02:02
> > An: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Betreff: Re: [ham-antennas] Re: is there a way?
> >
> >
> >
> >
> >
> > you are saying pretty much what i was thinking. However, since I am
> > fairly resonant on the cw (longer) end, I am thinking that when I want
> to
> > operate DX phone, I should be able to take the (insulated) wire and wrap
> > it's self around to make it shorted for the phone band, without cutting.
> > Am I on the right track?

> >
> > Dale K8TS
> >
> > ----- Original Message -----
> >
> > From: "pchapman920" < mailto:p_chap%40bellsouth.net
> <mailto:p_chap%40bellsouth.net> <mailto:p_chap%40bellsouth.net>
> > >
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Tuesday, September 13, 2011 9:52:34 PM
> > Subject: [ham-antennas] Re: is there a way?
> >
> >
> >
> > I'm guessing you are asking if you can pull more copper through the end
> > insulator and wrap it back on itself to increase the freq resonance. I
> > talked to an antenna guy I bought a unit from a couple weeks ago, as it
> > was designed to use as an inverted v and not horizontal as it has to be
> > installed. I did not ask enough questions, but he did tell me to shorten
> > the antenna regardless of band and do a wrap back of an extra 4 inches
> to
> > each side prior to hanging....add or subtract to find resonance from
> that
> > point......and leave it for later if needed. I failed to ask him about
> > long term as bare stranded wire undergoes serious oxidation over time.
> In
> > my case, as what I bought were budget antennas, I am going to tweak and
> > solder. Give it a try....you will probably be OK
> >
> > --- In mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-
> > antennas%40yahoogroups.com> , "Dale H. Cole K8TS" <k9ttt@...> wrote:
> > >
> > >
> > >
> > > I have been cutting, tweeking, tweeking some more, and cutting even
> more
> > and now have my 75/80 meter dipole "respectfully"ressonent about 3550
> > which I can tolarate for cw.Â My original inion was 3800~. Keeping the
> > antenna intact (no more cutting) will the ends "fold back upon
> themselves
> > when I want to operate in the DXÂ ssb window without major issues?
> > >
> > >
> > >
> > > I am using 12 gauge thnn attached about 30' up on my tower with a
> pully
> > and each end spread about 45* to just off the ground.Â I am using a MFJ
> > 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am a

> > little afraid of using the internal tuner on my Kenwood, but may be
> being
> > a little over to causaus.
> > >
> > >
> > >
> > > Any thouoghts
> > >
> > > Dale K8TS
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19792. Phillystran 1200 and pulleys ???

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 21:01:43 UTC
From: chas
Topic: 19766 Message: 19792

Question... I have decided to invest in "lifetime" support lines for my Cobra and have purchased Phillystran 1200 -- I always suspend my lines and wire with pulleys but looking at this stuff, with its shiny plastic cover, I am not sure what size/brand of blocks I should use for this installation.

Any suggestions?

thanks

chas k5dam Houston

19793. AW: AW: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 21:26:03 UTC
From: Siegfried Jackstien
Topic: 19764 Message: 19793

Our dipole for fieldday is cut for cw part ... but I am no code operater ...
I like to use the antenna higher ... so I just let the ends down (THAT ARE
LOW TO EARTH ANYWAY) ... and wrap the ends around ... so my ham-friends in
the club can still use it later on cw again ...
Greetz
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ron Youvan
> Gesendet: Mittwoch, 14. September 2011 13:41
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: is there a way?
>
>
>
> Siegfried Dg9bfc Jackstien wrote:
>
> > Yes that works ... we do he same thing on fieldday with our inverted v
> > antenna ....(and I do on my resonant radials) lower ends, fold back and
> use
> > it on phone ...
> > Lower it again, unwrap and let the end tangle down to lower resonant
> spot to
> > cw end ... so you can let the insulator attached to the shorter point
> and
> > let a pigtail tangle down from that .. wrap around to give you the phone
> or
> > dx portion (3.6, 3.7, whatever)
> > So ... yes it works ... no need to solder it
>
> I have never heard of this, but I have heard of two related schemes.
> I have seen an egg insulator with a removable shorting jumper wire. (with
> a small battery clip)
> This was on an inverted "V" at field day. It took 30 seconds to change
> bands.
>
> I have read about going out 3/4 the way to the end of the dipole and add
> (with a split bolt)
> another wire that drops straight down to add a higher frequency band or to
> broaden one band. I have
> not tried this method. Remember for health and safety no one should be
> able to reach up and touch
> the wire ends.
> --

> Ron KA4INM - Ifen my mother in law were to boil water
> it would taste funny ... Earl Pitts 9-1-11
>
>
>

19794. AW: AW: AW: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 21:22:35 UTC
From: Siegfried Jackstien
Topic: 19764 Message: 19794

No way to use your 10m antenna on 80m ... I wrote it was a 10m pole ... so
the length is 10m ... ad a 10m wire to top and pull that in the next tree
Viola a 20m long vertical (quarterwave for 80) ...
Now let that top wire down (loose the guy-line from tree) and "wrap arpund
the pole a few times ... so invisible for the rf ...
Voila 10m high vertical (quarterwave for 40) ...
Ok not very fast bandswitching ... but we used only for 2 days on fieldday
And we took what wee have :-)
Greetz
Sigi
Dg9bfc
Ps: some say the a-99 can be used from 10-15m (maybe 20) with a good tuner

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Mittwoch, 14. September 2011 17:06
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Re: is there a way?
>
>
>
> Siegfried what is a top hat wire. I have an A-99 10 meter antenna. I would
> be very much interested in learning how to also do 80 meters with it. The
> antenna base is up about 20 ft off the ground and the bottom of the pole
> is up 2250 ft.
>
> 73, WY6L
>
> From: Siegfried Jackstien
> Sent: Wednesday, September 14, 2011 3:05 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Re: is there a way?
>
> Let the ends a bit longer as needed for cw (do not cut more)
> If you erect the aerial higher the esonant point will go up (less
> capacitance to ground) and you would have to add wire to the ends if cut
> too
> short ...
> And here explanation WHY this works:
> On the end of the dipole you have almost no current but high voltage
> And that is why the wrapped end couple so strong to the inner part
>
> Now if you wrap the ends around to shorten it the end becomes "invisible"
> for the rf cause the inner part (the long leg) and the outer wrapped

> around
> end couple together as they were a bit thicker radiator
>
> We also did this on a fieldday with a vertical antenna to change from one
> band to another
> We erected a 10m vertical with a top-hat wire to make it resonant on 80
> (Upper and outer or inverted l)
> With loosing the guy line and let the end down to the pole the resonance
> raised from 80m band to 40m band (but that was a LONG end to make
> invisible)
> So ... yes definitively it works :-)
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Dale H. Cole K8TS
> > Gesendet: Mittwoch, 14. September 2011 02:21
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Re: is there a way?
> >
> >
> >
> >
> >
> > yes Sigi......that was the answer i was hoping to get! I much prefer
> > 'phone over cw, but occassionly like to get on cw for contest's. Thant
> > will make it so much easier......and I have the day off tommorrow to
> prune
> > it right!
> >
> > Dale K8TS
> >
> > ----- Original Message -----
> >
> > From: "Siegfried Jackstien" <mailto:siegfried.jackstien%40freenet.de
> > <mailto:siegfried.jackstien%40freenet.de> >
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Sent: Tuesday, September 13, 2011 10:09:50 PM
> > Subject: AW: [ham-antennas] Re: is there a way?
> >
> >
> >
> >
> > Yes that works ... we do he same thing on fieldday with our inverted v
> > antenna ....(and I do on my resonant radials) lower ends, fold back and
> > use
> > it on phone ...
> > Lower it again, unwrap and let the end tangle down to lower resonant

> spot
> > to
> > cw end ... so you can let the insulator attached to the shorter point
> and
> > let a pigtail tangle down from that .. wrap around to give you the phone
> > or
> > dx portion (3.6, 3.7, whatever)
> > So ... yes it works ... no need to solder it
> > Greetz
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> [mailto: mailto:ham-
> antennas%40yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>] Im
> > > Auftrag von Dale H. Cole K8TS
> > > Gesendet: Mittwoch, 14. September 2011 02:02
> > > An: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > > Betreff: Re: [ham-antennas] Re: is there a way?
> > >
> > >
> > >
> > >
> > >
> > > you are saying pretty much what i was thinking. However, since I am
> > > fairly resonant on the cw (longer) end, I am thinking that when I want
> > to
> > > operate DX phone, I should be able to take the (insulated) wire and
> wrap
> > > it's self around to make it shorted for the phone band, without
> cutting.
> > > Am I on the right track?
> > >
> > > Dale K8TS
> > >
> > > ----- Original Message -----
> > >
> > > From: "pchapman920" < mailto:p_chap%40bellsouth.net
> > <mailto:p_chap%40bellsouth.net> <mailto:p_chap%40bellsouth.net>
> > > > >
> > > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>
> > > Sent: Tuesday, September 13, 2011 9:52:34 PM
> > > Subject: [ham-antennas] Re: is there a way?
> > >
> > >

> > >
> > > I'm guessing you are asking if you can pull more copper through the
> end
> > > insulator and wrap it back on itself to increase the freq resonance. I
> > > talked to an antenna guy I bought a unit from a couple weeks ago, as
> it
> > > was designed to use as an inverted v and not horizontal as it has to
> be
> > > installed. I did not ask enough questions, but he did tell me to
> shorten
> > > the antenna regardless of band and do a wrap back of an extra 4 inches
> > to
> > > each side prior to hanging....add or subtract to find resonance from
> > that
> > > point......and leave it for later if needed. I failed to ask him about
> > > long term as bare stranded wire undergoes serious oxidation over time.
> > In
> > > my case, as what I bought were budget antennas, I am going to tweak
> and
> > > solder. Give it a try....you will probably be OK
> > >
> > > --- In mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> <mailto:ham-
> > > antennas%40yahoogroups.com> , "Dale H. Cole K8TS" <k9ttt@...> wrote:
> > > >
> > > >
> > > >
> > > > I have been cutting, tweeking, tweeking some more, and cutting even
> > more
> > > > and now have my 75/80 meter dipole "respectfully"ressonent about 3550
> > > > which I can tolarate for cw.Â My original inion was 3800~. Keeping the
> > > > antenna intact (no more cutting) will the ends "fold back upon
> > themselves
> > > > when I want to operate in the DXÂ ssb window without major issues?
> > > >
> > > >
> > > >
> > > > I am using 12 gauge thnn attached about 30' up on my tower with a
> > pully
> > > > and each end spread about 45* to just off the ground.Â I am using a
> MFJ
> > > > 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am
> a
> > > > little afraid of using the internal tuner on my Kenwood, but may be
> > being
> > > > a little over to causaus.
> > > >
> > > >
> > > >
> > > > Any thouoghts

> > > >
> > > > Dale K8TS
> > > >
> > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

19795. Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 22:14:19 UTC
From: VE3FMC
Topic: 19764 Message: 19795

Dale if the ends of the dipole are easy to get it why not do it this way. Make it resonate in the DX window. Then add wire to it when you want to go down to the CW portion of the band. With 100 watts you could clip the added wire on and off when needed. Put an insulator on each add on section and have a small piece of rope off the insulator to the clip. Then just clip that on to your support rope when you have to.

Remember this, if the ends of the antenna are low to the ground the SWR will be effected by snow underneath it. I have seen the resonate point on my 40 meter dipole move in the winter due to the 3 feet of snow below the one end of the dipole. And that end was 10 feet off the ground before it snowed!

Rick VE3FMC

--- In ham-antennas@yahoogroups.com, "Dale H. Cole K8TS" <k9ttt@...> wrote:
>
>
>
> you are saying pretty much what i was thinking.Â However, since I am fairly resonant on the cw (longer) end, I am thinking that when I want to operate DX phone, I should be able to take the (insulated) wire and wrap it's self around to make it shorted for the phone band, without cutting.Â Am I on the right track?
>
> Dale K8TS
>
>
>
> ----- Original Message -----
>
>
> From: "pchapman920" <p_chap@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, September 13, 2011 9:52:34 PM
> Subject: [ham-antennas] Re: is there a way?
>
> Â
>
>
>
>
> I'm guessing you are asking if you can pull more copper through the end insulator and wrap it back on itself to increase the freq resonance. I talked to an antenna guy I bought a unit from a couple weeks ago, as it was designed to use as an inverted v and not horizontal as it has to be installed. I did not ask enough questions, but he did tell me to shorten the antenna regardless of band and do a wrap back of an extra 4 inches to each side prior to hanging....add or subtract to find resonance from that point.....and leave it for later if needed. I failed to ask him about long term as bare stranded wire undergoes serious oxidation over time. In my case, as what I bought were budget antennas, I am going to tweak and solder. Give it a try....you will probably be OK

>
> --- In ham-antennas@yahoogroups.com , "Dale H. Cole K8TS" <k9ttt@> wrote:
> >
> >
> >
> > I have been cutting, tweeking, tweeking some more, and cutting even more and now have my 75/80 meter dipole "respectfully"ressonent about 3550 which I can tolarate for cw.ÃÂ My original inion was 3800~. Keeping the antenna intact (no more cutting) will the ends "fold back upon themselves when I want to operate in the DXÃÂ ssb window without major issues?
> >
> >
> >
> > I am using 12 gauge thnn attached about 30' up on my tower with a pully and each end spread about 45* to just off the ground.ÃÂ I am using a MFJ 962C tuner and 100 watts.ÃÂ Feeding with coax run of about 60-70'. I am a little afraid of using the internal tuner on my Kenwood, but may be being a little over to causaus.
> >
> >
> >
> > Any thouoghts
> >
> > Dale K8TS
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>

19796. Re: AW: AW: AW: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 22:16:16 UTC
From: dean
Topic: 19764 Message: 19796

I use the LDG 200AT Pro tuner and I have tuned it for 12, 15, 17 and 20 meters. It's a great antenna and no ground radials to speak of. I have 3 short radials attached to the base of the antenna. I talked to Australia one day with it on 28.455. I live in California. I'm probably about 200 miles or so from the Pacific Ocean.

My 80 meter dipole was put up when I was a general so my Linear doesn't' tune well down in the Extra portion of the band so I'll probably have to lengthen the antenna so I can use my SB-200 amp at 3.6 and up.

I have a video of a ham (OH2BH) in Finland who made a 80M beam for CW. It was very impressive.

http://www.radioarcala.com/nbspStation/16080MMammothBeam/tabid/380/Default.aspx

It's a fun video to watch every now and again. For a year or so he lived about 40 miles from me in the big city of Madera, CA

73, WY6L

From: Siegfried Jackstien
Sent: Wednesday, September 14, 2011 2:22 PM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: AW: [ham-antennas] Re: is there a way?

No way to use your 10m antenna on 80m ... I wrote it was a 10m pole ... so
the length is 10m ... ad a 10m wire to top and pull that in the next tree
Viola a 20m long vertical (quarterwave for 80) ...
Now let that top wire down (loose the guy-line from tree) and "wrap arpund
the pole a few times ... so invisible for the rf ...
Voila 10m high vertical (quarterwave for 40) ...
Ok not very fast bandswitching ... but we used only for 2 days on fieldday
And we took what wee have :-)
Greetz
Sigi
Dg9bfc
Ps: some say the a-99 can be used from 10-15m (maybe 20) with a good tuner

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Mittwoch, 14. September 2011 17:06
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Re: is there a way?
>
>
>

> Siegfried what is a top hat wire. I have an A-99 10 meter antenna. I would
> be very much interested in learning how to also do 80 meters with it. The
> antenna base is up about 20 ft off the ground and the bottom of the pole
> is up 2250 ft.
>
> 73, WY6L
>
> From: Siegfried Jackstien
> Sent: Wednesday, September 14, 2011 3:05 AM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: AW: [ham-antennas] Re: is there a way?
>
> Let the ends a bit longer as needed for cw (do not cut more)
> If you erect the aerial higher the esonant point will go up (less
> capacitance to ground) and you would have to add wire to the ends if cut
> too
> short ...
> And here explanation WHY this works:
> On the end of the dipole you have almost no current but high voltage
> And that is why the wrapped end couple so strong to the inner part
>
> Now if you wrap the ends around to shorten it the end becomes "invisible"
> for the rf cause the inner part (the long leg) and the outer wrapped
> around
> end couple together as they were a bit thicker radiator
>
> We also did this on a fieldday with a vertical antenna to change from one
> band to another
> We erected a 10m vertical with a top-hat wire to make it resonant on 80
> (Upper and outer or inverted l)
> With loosing the guy line and let the end down to the pole the resonance
> raised from 80m band to 40m band (but that was a LONG end to make
> invisible)
> So ... yes definitively it works :-)
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Dale H. Cole K8TS
> > Gesendet: Mittwoch, 14. September 2011 02:21
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Re: is there a way?
> >
> >
> >
> >
> >
> > yes Sigi......that was the answer i was hoping to get! I much prefer

> > 'phone over cw, but occassionly like to get on cw for contest's. Thant
> > will make it so much easier......and I have the day off tommorrow to
> prune
> > it right!
> >
> > Dale K8TS
> >
> > ----- Original Message -----
> >
> > From: "Siegfried Jackstien" <mailto:siegfried.jackstien%40freenet.de
> > <mailto:siegfried.jackstien%40freenet.de> >
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Sent: Tuesday, September 13, 2011 10:09:50 PM
> > Subject: AW: [ham-antennas] Re: is there a way?
> >
> >
> >
> > Yes that works ... we do he same thing on fieldday with our inverted v
> > antenna ....(and I do on my resonant radials) lower ends, fold back and
> > use
> > it on phone ...
> > Lower it again, unwrap and let the end tangle down to lower resonant
> spot
> > to
> > cw end ... so you can let the insulator attached to the shorter point
> and
> > let a pigtail tangle down from that .. wrap around to give you the phone
> > or
> > dx portion (3.6, 3.7, whatever)
> > So ... yes it works ... no need to solder it
> > Greetz
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> [mailto: mailto:ham-
> antennas%40yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>] Im
> > > Auftrag von Dale H. Cole K8TS
> > > Gesendet: Mittwoch, 14. September 2011 02:02
> > > An: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > > Betreff: Re: [ham-antennas] Re: is there a way?
> > >
> > >
> > >
> > >
> > >

> > > you are saying pretty much what i was thinking. However, since I am
> > > fairly resonant on the cw (longer) end, I am thinking that when I want
> > to
> > > operate DX phone, I should be able to take the (insulated) wire and
> wrap
> > > it's self around to make it shorted for the phone band, without
> cutting.
> > > Am I on the right track?
> > >
> > > Dale K8TS
> > >
> > > ----- Original Message -----
> > >
> > > From: "pchapman920" < mailto:p_chap%40bellsouth.net
> > <mailto:p_chap%40bellsouth.net> <mailto:p_chap%40bellsouth.net>
> > > >
> > > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>
> > > Sent: Tuesday, September 13, 2011 9:52:34 PM
> > > Subject: [ham-antennas] Re: is there a way?
> > >
> > >
> > >
> > > I'm guessing you are asking if you can pull more copper through the
> end
> > > insulator and wrap it back on itself to increase the freq resonance. I
> > > talked to an antenna guy I bought a unit from a couple weeks ago, as
> it
> > > was designed to use as an inverted v and not horizontal as it has to
> be
> > > installed. I did not ask enough questions, but he did tell me to
> shorten
> > > the antenna regardless of band and do a wrap back of an extra 4 inches
> > to
> > > each side prior to hanging....add or subtract to find resonance from
> > that
> > > point......and leave it for later if needed. I failed to ask him about
> > > long term as bare stranded wire undergoes serious oxidation over time.
> > In
> > > my case, as what I bought were budget antennas, I am going to tweak
> and
> > > solder. Give it a try....you will probably be OK
> > >
> > > --- In mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> <mailto:ham-
> > > antennas%40yahoogroups.com> , "Dale H. Cole K8TS" <k9ttt@...> wrote:
> > > >
> > > >
> > > >

> > > > I have been cutting, tweeking, tweeking some more, and cutting even
> > more
> > > > and now have my 75/80 meter dipole "respectfully"ressonent about 3550
> > > > which I can tolarate for cw.Â My original inion was 3800~. Keeping the
> > > > antenna intact (no more cutting) will the ends "fold back upon
> > themselves
> > > > when I want to operate in the DXÂ ssb window without major issues?
> > > > >
> > > > >
> > > > >
> > > > > I am using 12 gauge thnn attached about 30' up on my tower with a
> > pully
> > > > and each end spread about 45* to just off the ground.Â I am using a
> MFJ
> > > > 962C tuner and 100 watts.Â Feeding with coax run of about 60-70'. I am
> a
> > > > little afraid of using the internal tuner on my Kenwood, but may be
> > being
> > > > a little over to causaus.
> > > > >
> > > > >
> > > > >
> > > > > Any thouoghts
> > > > >
> > > > > Dale K8TS
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
> > > >
> > > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >
> >
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

19797. Re: [ham-antennas] Re: is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-14 22:19:21 UTC
From: dean
Topic: 19764 Message: 19797

We had a demo of a 80/75 / 40 meter NVIS dipole. One thing he had was a spade lug M / F. When he wanted to go from 40 to 75 meters he just connected the spade lugs together. That is another nice way to connect your wire.

73, WY6L

From: VE3FMC
Sent: Wednesday, September 14, 2011 3:14 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: is there a way?

Dale if the ends of the dipole are easy to get it why not do it this way. Make it resonate in the DX window. Then add wire to it when you want to go down to the CW portion of the band. With 100 watts you could clip the added wire on and off when needed. Put an insulator on each add on section and have a small piece of rope off the insulator to the clip. Then just clip that on to your support rope when you have to.

Remember this, if the ends of the antenna are low to the ground the SWR will be effected by snow underneath it. I have seen the resonate point on my 40 meter dipole move in the winter due to the 3 feet of snow below the one end of the dipole. And that end was 10 feet off the ground before it snowed!

Rick VE3FMC

--- In mailto:ham-antennas%40yahoogroups.com, "Dale H. Cole K8TS" <k9ttt@...> wrote:
>
>
>
> you are saying pretty much what i was thinking.Â However, since I am fairly resonant on the cw (longer) end, I am thinking that when I want to operate DX phone, I should be able to take the (insulated) wire and wrap it's self around to make it shorted for the phone band, without cutting.Â Am I on the right track?
>
> Dale K8TS
>
>
>
> ----- Original Message -----
>
>
> From: "pchapman920" <p_chap@...>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Tuesday, September 13, 2011 9:52:34 PM
> Subject: [ham-antennas] Re: is there a way?
>
> Â
>

>
>
>
> I'm guessing you are asking if you can pull more copper through the end insulator and wrap it back on itself to increase the freq resonance. I talked to an antenna guy I bought a unit from a couple weeks ago, as it was designed to use as an inverted v and not horizontal as it has to be installed. I did not ask enough questions, but he did tell me to shorten the antenna regardless of band and do a wrap back of an extra 4 inches to each side prior to hanging....add or subtract to find resonance from that point.....and leave it for later if needed. I failed to ask him about long term as bare stranded wire undergoes serious oxidation over time. In my case, as what I bought were budget antennas, I am going to tweak and solder. Give it a try....you will probably be OK
>
> --- In mailto:ham-antennas%40yahoogroups.com , "Dale H. Cole K8TS" <k9ttt@> wrote:
> >
> >
> >
> > I have been cutting, tweeking, tweeking some more, and cutting even more and now have my 75/80 meter dipole "respectfully"ressonent about 3550 which I can tolarate for cw.ÃÂ My original inion was 3800~. Keeping the antenna intact (no more cutting) will the ends "fold back upon themselves when I want to operate in the DXÃÂ ssb window without major issues?
> >
> >
> >
> > I am using 12 gauge thnn attached about 30' up on my tower with a pully and each end spread about 45* to just off the ground.ÃÂ I am using a MFJ 962C tuner and 100 watts.ÃÂ Feeding with coax run of about 60-70'. I am a little afraid of using the internal tuner on my Kenwood, but may be being a little over to causaus.
> >
> >
> >
> > Any thouoghts
> >
> > Dale K8TS
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19798. Re: Phillystran 1200 and pulleys ???

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 03:41:29 UTC
From: ninevictor
Topic: 19766 Message: 19798

--- In ham-antennas@yahoogroups.com, chas <chasm@...> wrote:
>
>
>
> Question... I have decided to invest in "lifetime" support lines for my
> Cobra and have purchased Phillystran 1200 -- I always suspend my lines and
> wire with pulleys but looking at this stuff, with its shiny plastic cover, I
> am not sure what size/brand of blocks I should use for this installation.
>
> Any suggestions?
>
> thanks
>
> chas k5dam Houston

Chas,
Harken makes some really nice blocks in a huge variety of sizes and styles.

You can get to their website by doing a search on harkenstore.

I have used the micro block 224 on Dacron and Nylon lines with no visible wear after years in the trees. Also used their bullet blocks. Take your time with their catalog and data sheets. You might try their phone number for tech advise to be sure that you have just the right model for your application. I would be sure to verify with the Phillystran manufacturer that the product can be flexed and run thrugh a block. Never heard of Phillystran being run through a block, but I am sure the manufacturer of the line knows about thimbles, terminations, flexing, loading, and minimum radius.

Be sure to take some pictures to show us what a first class installation looks like.

73, Don WN9V

19799. Re: [ham-antennas] is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 07:21:15 UTC
From: roger.h@comcast.net
Topic: 19764 Message: 19799

Dale, fire that internal tuner up. If it can't tune it, It will stop. There are several options on having the top and bottom freqs usable. A double Bazooka cut for 3650 should get you to both. Thats what so cool about Bazookas is the bandwidth. Fine some old small coax. Abt 70' plus. Last one I did I used rg58. 20'-30' of 450 ohm ladder line. I believe later on I changed ladder line to 12awg insulated wire. I used it in the 75m DX window plus CW area.

Back to ur dipole Dale. I built a OCF last year, but I just don't like it and It don't like me. It's a 45'/90' w/4:1 balun. It is coming down. Putting back up my cloud warmer. 132', 12 awg stranded insulated and fed with 60'-70 ' of 300 ohm ladder line. I love to use ladder line. So easy to tune tuner. Trying to get set up for winter and some contesting. I got th7dxx triband beam on one tower broke. Hygain 7-3, 3 element 40m beam for other tower but still on the ground. A wild storm broke the suicide bolt on the tailtwister rotor. So beam was loo se and yanked my jumper coax right out of the balun. Of course the balun exploded into several pieces. That was my tribander. Plenty of work here to do. I.m on disability as heart transplant abt 15 years ago. I can't get my wife to climb. Something about kissing something. Anyway a full wave loop is a great ant. I have one in triangle shape. I work plenty of barefoot DX. My next ant will be a 4-square for 75/80. I don't have much money so I scrounge for wire and other parts. I find a lot of ant stuff at the metal yard where they buy from you by the pound. . I better go Dale. Drive on. 73, Roger, W4IV< south of Nashville, Tn

----- Original Message -----

From: "Dale H. Cole K8TS" <k9ttt@comcast.net>
To: "Ham Antennas" <ham-antennas@yahoogroups.com>
Sent: Tuesday, September 13, 2011 7:17:34 PM
Subject: [ham-antennas] is there a way?

I have been cutting, tweeking, tweeking some more, and cutting even more and now have my 75/80 meter dipole "respectfully"ressonent about 3550 which I can tolarate for cw. My original inion was 3800~. Keeping the antenna intact (no more cutting) will the ends "fold back upon themselves when I want to operate in the DX ssb window without major issues?

I am using 12 gauge thnn attached about 30' up on my tower with a pully and each end spread about 45* to just off the ground. I am using a MFJ 962C tuner and 100 watts. Feeding with coax run of about 60-70'. I am a little afraid of using the internal tuner on my Kenwood, but may be being a little over to causaus.

Any thouoghts

Dale K8TS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19800. Re: [ham-antennas] is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 14:44:27 UTC
From: Dale H. Cole K8TS
Topic: 19764 Message: 19800

all is well.....though when using hte tuner the output goes down as the tuner makes a better match. i can have a 1.5 to 1 and have 20 w output or i can use the tuner (external) and bring tthe power up near 100w with external tuner. i am sure there is a mis=match somewhere but i would rather tune for max smoke

Dale K8TS

----- Original Message -----

From: "roger h" <roger.h@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 15, 2011 3:21:15 AM
Subject: Re: [ham-antennas] is there a way?

Dale, fire that internal tuner up. If it can't tune it, It will stop. There are several options on having the top and bottom freqs usable. A double Bazooka cut for 3650 should get you to both. Thats what so cool about Bazookas is the bandwidth. Fine some old small coax. Abt 70' plus. Last one I did I used rg58. 20'-30' of 450 ohm ladder line. I believe later on I changed ladder line to 12awg insulated wire. I used it in the 75m DX window plus CW area.

Back to ur dipole Dale. I built a OCF last year, but I just don't like it and It don't like me. It's a 45'/90' w/4:1 balun. It is coming down. Putting back up my cloud warmer. 132', 12 awg stranded insulated and fed with 60'-70 ' of 300 ohm ladder line. I love to use ladder line. So easy to tune tuner. Trying to get set up for winter and some contesting. I got th7dxx triband beam on one tower broke. Hygain 7-3, 3 element 40m beam for other tower but still on the ground. A wild storm broke the suicide bolt on the tailtwister rotor. So beam was loo se and yanked my jumper coax right out of the balun. Of course the balun exploded into several pieces. That was my tribander. Plenty of work here to do. I.m on disability as heart transplant abt 15 years ago. I can't get my wife to climb. Something about kissing something. Anyway a full wave loop is a great ant. I have one in triangle shape. I work plenty of barefoot DX. My next ant will be a 4-square for 75/80. I don't have much money so I scrounge for wire and other parts. I find a lot of ant stuff at the metal yard where they buy from you by the pound. . I better go Dale. Drive on. 73, Roger, W4IV< south of Nashville, Tn

----- Original Message -----

From: "Dale H. Cole K8TS" < k9ttt@... >
To: "Ham Antennas" < ham-antennas@yahoogroups.com >
Sent: Tuesday, September 13, 2011 7:17:34 PM
Subject: [ham-antennas] is there a way?

I have been cutting, tweeking, tweeking some more, and cutting even more and now have my 75/80 meter dipole "respectfully"ressonent about 3550 which I can tolarate for cw. My original inion was 3800~. Keeping the antenna intact (no more cutting) will the ends "fold back upon themselves when I want to operate in the DX ssb window without major issues?

I am using 12 gauge thnn attached about 30' up on my tower with a pully and each end spread about 45* to just off the ground. I am using a MFJ 962C tuner and 100 watts. Feeding with coax run of about 60-70'. I am a little afraid of using the internal tuner on my Kenwood, but may be being a little over to causaus.

Any thouoghts

Dale K8TS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19801. Re: heliax for mobile

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 16:35:06 UTC
From: hitekgearhead
Topic: 19776 Message: 19801

My main concern was from the vibration of mobile use.

The mount would be placed in a location that there would not be repeated flexing of the cable. (No trunk lid mounts)

Thanks everyone for the input.

-Albert

19802. Re: [ham-antennas] is there a way?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 18:21:58 UTC
From: Ron Youvan
Topic: 19764 Message: 19802

Dale H. Cole K8TS wrote:

> all is well.......though when using the tuner the output goes down as the tuner makes a better
> match. I can have a 1.5 to 1 and have 20 w output or I can use the tuner (external) and bring the
> power up near 100w with external tuner. I am sure there is a mismatch somewhere but I would
> rather tune for max smoke

A lot of people do things that way all of the time, we all do it that way sometimes, but for best
performance we frequently try to get the antenna "right." It is the single most important improvement that we our self can make to our station, beside QRO.

There are no mysteries associated with antennas, but there are unseen forces everywhere that
effect many of our antennas that frequently mystify us, but there is no magic or secrets.

We know that any loading or traps enable us to do tricks at the expense of antenna bandwidth.

We know that quarter wave length vertical antennas need a counterpoise (also called radials) and
that dirt makes a very lossy counterpoise, (water is not bad) the antenna with a very good counterpoise has a load impedance of about 35 Ohms, but with dirt as it's counterpoise nearly 50
Ohms is easily reached.
We know replacing the dirt with metal (by adding radials) the impedance will eventually reach 35
Ohms, making it a worse match to the 50 Ohm coax, while improving its "radiation resistance."
(the amount of that 35 Ohms that will be radiated, it's efficiency)

We know that with just about any horizontally mounted antenna, the reflective surface under the
ground reflects energy back to the antenna based on the round trip distance, and this returning
energy alters the impedance of the antenna. (up or down) This also applies to beam antennas made
from dipoles.

We know that a vertically orientated half wave length antenna fed at the bottom is called a dipole, and that it needs NO counterpoise. If it is fed with an open ended quarter wave length
matching stub we get to call it a "J" pole.

We know the center of dipoles have a load impedance of about 73 Ohms in free space, when not
altered by reflections or other objects. We know when objects are near the antenna, objects like
houses, barns, cars and dirt the capacity between the objects and the antennas lowers the natural
resonant frequency of the antenna, so we must shorten the antenna to keep it on the frequency that
we selected. We know if we feed a dipole off center we get to do some unusual things with them.
We now we can buy 75 Ohm coax where we buy 50 Ohm coax. (in several sizes)

We know the wire of a dipole is the inductor and the tips of the wires of the dipole make up a
capacitor, the two are in parallel so we have a resonant circuit, just like the tank coil and plate
capacitor of a tuned circuit connected to the plate of an 807 or 6146. We know anything that gets
near the ends changes the capacity, changing the tuning of the resonant circuit.
We know if the antenna is off tune because of nearby objects we must change the amount of wire to
return it to being tuned on the frequency that we selected.
We know we can precorrect the phase of the energy going to the antenna (with an antenna tuner) so it
works better, we even need to do this at some band edges.
We know if the antenna wire is real slack and the winds blow it back and fourth as storms sometimes
do, the tuning will change so we keep them reasonably taught with pulleys and weights.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19803. Re: "Cheap Yagis"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 18:43:30 UTC
From: hitekgearhead
Topic: 19766 Message: 19803

I will try the scaling approach and see what I come up with.

And I thought about emailing the designer but I guess I was being a little shy about it.

Thanks for the input.

--- In ham-antennas@yahoogroups.com, Mike Rodgers <mikerodgerske5gbc@...> wrote:
>
> Have you tried a email to the designer of the cheap yagi?
>
> 73
> Mike R
>
> Sent from my spy ring
>

19804. AW: [ham-antennas] Re: "Cheap Yagis"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 18:52:26 UTC
From: Siegfried Jackstien
Topic: 19766 Message: 19804

Learn how o use mmana
Antenna simulating freeware soft
Type in the original data
Click on scale to new qrg
Type in new value
See result
Optimize from there
And youre done
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von hitekgearhead
> Gesendet: Donnerstag, 15. September 2011 18:44
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: "Cheap Yagis"
>
>
>
> I will try the scaling approach and see what I come up with.
>
> And I thought about emailing the designer but I guess I was being a little
> shy about it.
>
> Thanks for the input.
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , Mike Rodgers <mikerodgerske5gbc@...> wrote:
> >
> > Have you tried a email to the designer of the cheap yagi?
> >
> > 73
> > Mike R
> >
> > Sent from my spy ring
> >
>
>
>
>

19805. 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 21:05:31 UTC
From: fred
Topic: 19805 Message: 19805

I need to be able to shorten the one I have (120 ' + -) to be able to get it in the available space , could I make it into a folded dipole and will that cause more problems than it solves ? I did look on the internet for ideas and did find lots of information but not being an engineer most of it was well beyond my ability to understand .
any thoughts or ideas will be welcome .
tnx
andrew
kd5pnt

19806. Re: [ham-antennas] 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 21:10:32 UTC
From: Dan Schaaf
Topic: 19805 Message: 19806

I have an Alpha Delta DX-LB dipole for 160, 80 and 40 meters. Not using it any longer. 100 ft long. Looking for a buyer if anyone is interested, email me at dan-schaaf@...

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: fred
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 15, 2011 5:05 PM
Subject: [ham-antennas] 75/80 metre dipole

I need to be able to shorten the one I have (120 ' + -) to be able to get it in the available space , could I make it into a folded dipole and will that cause more problems than it solves ? I did look on the internet for ideas and did find lots of information but not being an engineer most of it was well beyond my ability to understand .
any thoughts or ideas will be welcome .
tnx
andrew
kd5pnt

[Non-text portions of this message have been removed]

19807. Re: [ham-antennas] 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 21:42:54 UTC
From: dean
Topic: 19805 Message: 19807

A couple things come to mind. What frequency are you trying for? How much height do you have to work with? You can make an inverted V fan dipole and be sure to keep the ends out of hand reach. You can also put up a nice loop around the property.

I say this sitting on 8 acres.

73, WY6L

From: fred
Sent: Thursday, September 15, 2011 2:05 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 75/80 metre dipole

I need to be able to shorten the one I have (120 ' + -) to be able to get it in the available space , could I make it into a folded dipole and will that cause more problems than it solves ? I did look on the internet for ideas and did find lots of information but not being an engineer most of it was well beyond my ability to understand .
any thoughts or ideas will be welcome .
tnx
andrew
kd5pnt

[Non-text portions of this message have been removed]

19808. Re: 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 22:01:37 UTC
From: fred
Topic: 19805 Message: 19808

3900 Khz
due to my location 3 blks away from the EMS helipad I am limited to a 35 ft height . don't know why as the trees are taller than that .
the problem is that I have one tree in the front and the chain fence in the back . the tree is 53 ft from the pole and the fence is 85 ft from the pole , I considered building the OCF but it is too long for the back yard section . The dipole I have works well , I just have to tie it to the speed limit sign in the front as it extends past the tree , if I forget to take it down when finished using it I will find it on the ground in the morning . guess the city is cutting it down . am asking if I can turn it into a folded dipole without causing a lot of problems . a loop is not possible here , not enough support points . there is a pine tree on the north side and 3 pecan trees on the south side , nothing in the front or back yards . am in the city on a corner lot . is long and narrow .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> A couple things come to mind. What frequency are you trying for? How much height do you have to work with? You can make an inverted V fan dipole and be sure to keep the ends out of hand reach. You can also put up a nice loop around the property.
>
> I say this sitting on 8 acres.
>
> 73, WY6L
>
>
> From: fred
> Sent: Thursday, September 15, 2011 2:05 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] 75/80 metre dipole
>
>
> I need to be able to shorten the one I have (120 ' + -) to be able to get it in the available space , could I make it into a folded dipole and will that cause more problems than it solves ? I did look on the internet for ideas and did find lots of information but not being an engineer most of it was well beyond my ability to understand .
> any thoughts or ideas will be welcome .
> tnx
> andrew
> kd5pnt
>
>
>
>
>

> [Non-text portions of this message have been removed]
>

19809. Re: 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 22:03:45 UTC
From: fred
Topic: 19805 Message: 19809

Dan
I would fry that the first time I used it . running legal limit on AM .
andrew
kd5pnt
--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> I have an Alpha Delta DX-LB dipole for 160, 80 and 40 meters. Not using it any longer. 100 ft long. Looking for a buyer if anyone is interested, email me at dan-schaaf@...
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
>
> ----- Original Message -----
> From: fred
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, September 15, 2011 5:05 PM
> Subject: [ham-antennas] 75/80 metre dipole
>
>
>
> I need to be able to shorten the one I have (120 ' + -) to be able to get it in the available space , could I make it into a folded dipole and will that cause more problems than it solves ? I did look on the internet for ideas and did find lots of information but not being an engineer most of it was well beyond my ability to understand .
> any thoughts or ideas will be welcome .
> tnx
> andrew
> kd5pnt
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19810. Re: [ham-antennas] Re: 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-15 23:56:49 UTC
From: dean
Topic: 19805 Message: 19810

Ha ha, I guess I should have just looked at the subject instead of asking what frequency.

I have never made a magnetic loop but this page talks about one for 40/80 meters.
http://www.standpipe.com/w2bri/

Might be one way to get past a small lot. Sorry I can’t help more.

73, WY6L

From: fred
Sent: Thursday, September 15, 2011 3:01 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 75/80 metre dipole

3900 Khz
due to my location 3 blks away from the EMS helipad I am limited to a 35 ft height . don't know why as the trees are taller than that .
the problem is that I have one tree in the front and the chain fence in the back . the tree is 53 ft from the pole and the fence is 85 ft from the pole , I considered building the OCF but it is too long for the back yard section . The dipole I have works well , I just have to tie it to the speed limit sign in the front as it extends past the tree , if I forget to take it down when finished using it I will find it on the ground in the morning . guess the city is cutting it down . am asking if I can turn it into a folded dipole without causing a lot of problems . a loop is not possible here , not enough support points . there is a pine tree on the north side and 3 pecan trees on the south side , nothing in the front or back yards . am in the city on a corner lot . is long and narrow .
andrew
kd5pnt

--- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
>
> A couple things come to mind. What frequency are you trying for? How much height do you have to work with? You can make an inverted V fan dipole and be sure to keep the ends out of hand reach. You can also put up a nice loop around the property.
>
> I say this sitting on 8 acres.
>
> 73, WY6L
>
>
> From: fred
> Sent: Thursday, September 15, 2011 2:05 PM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] 75/80 metre dipole
>
>

> I need to be able to shorten the one I have (120 ' + -) to be able to get it in the available space , could I make it into a folded dipole and will that cause more problems than it solves ? I did look on the internet for ideas and did find lots of information but not being an engineer most of it was well beyond my ability to understand .
> any thoughts or ideas will be welcome .
> tnx
> andrew
> kd5pnt
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19811. AW: [ham-antennas] 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 03:15:00 UTC
From: Siegfried Jackstien
Topic: 19805 Message: 19811

How many meter are you too shor in space?!? ... just bend the ends to
another support (tree, garage, speedsign, whatever) ...
The most radiation will come from the current-point in the air
It will not hurt bending the ends
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von fred
> Gesendet: Donnerstag, 15. September 2011 21:06
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 75/80 metre dipole
>
>
>
> I need to be able to shorten the one I have (120 ' + -) to be able to get
> it in the available space , could I make it into a folded dipole and will
> that cause more problems than it solves ? I did look on the internet for
> ideas and did find lots of information but not being an engineer most of
> it was well beyond my ability to understand .
> any thoughts or ideas will be welcome .
> tnx
> andrew
> kd5pnt
>
>
>
>

19812. Re: heliax for mobile

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 04:29:40 UTC
From: Chris Boone
Topic: 19776 Message: 19812

There comes a point where you get so little improvement for too much work! 1/4in Superflex would be great if your cable run is 30ft or so..for the normal 15-17 foot max run of coax in a mobile installation, your normal RG58 supplied with the NMO mounts is fine...IF you run HIpower (more than 200watts) or have a LONG run of cable (30+ feet), then I would suggest SF 1/2in...but for normal use? naw...aint worth the trouble

Chris
WB5ITT
trustee, W5APX
35+ years in two way and broadcast engineering

Posted by: "dean" deanf@... rattler778
Date: Wed Sep 14, 2011 9:59 am ((PDT))

If you got it use it as its free. Nobody wants to argue. You being the person who makes the final decision always it matters not what you use. I myself use a diamond VHF/UHF antenna. The coax is not as long as I wanted so I put a 6' piece of LMR 400 ultraflex on the end of my coax. Seems to work just great. I'm of the opinion that when doing FM VHF/UHF it matters not what you use at all. I would use LMR 400 ultraflex from the antenna to the radio for the lowest line loss but that is not practical. For my home shack I will be using LMR 400 from antenna to the switch and from the switch I use LMR 400 ultraflex.

just my $0.02

Enjoy

73, WY6L

From: hitekgearhead
Sent: Tuesday, September 13, 2011 11:42 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] heliax for mobile

I was just wondering if the smaller superflex types of heliax would be appropriate at all for mobile applications? Anyone ever try it?

I know you might say WHY?... being as the cable run might be only 20 ft, and if I used something like LMR-240 ultraflex I would have pretty minimal loss even at the upper end of UHF.

So... just for argument sake, lets say there is just some lying in the back of my ham shack closet.

Thoughts, ideas, arguments?.....

19813. Re: [ham-antennas] Re: 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 11:33:35 UTC
From: Frank Kirschner
Topic: 19805 Message: 19813

The suggestion to bend the ends (making a Z-shape viewed from above) is a good one. Most of the radiation comes from the middle half of the antenna, anyway. However, at only 35 feet, it won't be a great DX antenna.

Another alternative is to hide a vertical wire in one of the taller trees. If it's less than a quarter wavelength, you'd need a coil at the base. You'd need some radials, too. This would give you better DX than a low dipole. Twelve gauge insulated wire will carry the legal limit of power. Make sure the coil and connections at the base of the tree are covered or otherwise inaccessible.

73,
Frank
KF6E

On Thu, Sep 15, 2011 at 6:01 PM, fred <radiomanl@...> wrote:

> **
> due to my location 3 blks away from the EMS helipad I am limited to a 35
> ft height . don't know why as the trees are taller than that .
>

[Non-text portions of this message have been removed]

19814. Re: [ham-antennas] Re: heliax for mobile

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 13:07:30 UTC
From: Dave
Topic: 19776 Message: 19814

I concur with Chris, WB5ITT. The results realized with the superflex are so insignificant that the instalation and connector problems become unreasonable.

Dave, W8QW

-----Original Message-----
From: Chris Boone
Sent: Sep 15, 2011 11:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: heliax for mobile

There comes a point where you get so little improvement for too much work! 1/4in Superflex would be great if your cable run is 30ft or so..for the normal 15-17 foot max run of coax in a mobile installation, your normal RG58 supplied with the NMO mounts is fine...IF you run HIpower (more than 200watts) or have a LONG run of cable (30+ feet), then I would suggest SF 1/2in...but for normal use? naw...aint worth the trouble

Chris
WB5ITT
trustee, W5APX
35+ years in two way and broadcast engineering

Posted by: "dean" deanf@... rattler778
Date: Wed Sep 14, 2011 9:59 am ((PDT))

If you got it use it as its free. Nobody wants to argue. You being the person who makes the final decision always it matters not what you use. I myself use a diamond VHF/UHF antenna. The coax is not as long as I wanted so I put a 6' piece of LMR 400 ultraflex on the end of my coax. Seems to work just great. I'm of the opinion that when doing FM VHF/UHF it matters not what you use at all. I would use LMR 400 ultraflex from the antenna to the radio for the lowest line loss but that is not practical. For my home shack I will be using LMR 400 from antenna to the switch and from the switch I use LMR 400 ultraflex.

just my $0.02

Enjoy

73, WY6L

From: hitekgearhead
Sent: Tuesday, September 13, 2011 11:42 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] heliax for mobile

I was just wondering if the smaller superflex types of heliax would be appropriate at all for mobile applications? Anyone ever try it?

I know you might say WHY?... being as the cable run might be only 20 ft, and if I used something like LMR-240 ultraflex I would have pretty minimal loss even at the upper end of UHF.

So... just for argument sake, lets say there is just some lying in the back of my ham shack closet.

Thoughts, ideas, arguments?.....

_____
PeoplePC Online
A better way to Internet
http://www.peoplepc.com

19815. Re: Phillystran 1200 and pulleys ???

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 14:04:44 UTC
From: fred
Topic: 19766 Message: 19815

I have always used the pulleys from tractor supply and have not had any problems , what is the diametre of the phillystran ? just make sure it will pass through the pulley without binding . I use the black double braid cord from DX engineering . has been up for 5 years with no signs of damage .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, chas <chasm@...> wrote:
>
>
>
> Question... I have decided to invest in "lifetime" support lines for my
> Cobra and have purchased Phillystran 1200 -- I always suspend my lines and
> wire with pulleys but looking at this stuff, with its shiny plastic cover, I
> am not sure what size/brand of blocks I should use for this installation.
>
> Any suggestions?
>
> thanks
>
> chas k5dam Houston
>

19816. Re: [ham-antennas] Re: heliax for mobile

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 14:26:38 UTC
From: Ron Youvan
Topic: 19776 Message: 19816

Chris WB5ITT trustee, W5APX Boone wrote:

> There comes a point where you get so little improvement for too much work!
> 1/4in Superflex would be great if your cable run is 30ft or so..for the
> normal 15-17 foot max run of coax in a mobile installation, your normal RG58
> supplied with the NMO mounts is fine...IF you run HI power (more than
> 200 Watts) or have a LONG run of cable (30+ feet), then I would suggest SF
> 1/2in...but for normal use? naw...aint worth the trouble

Except only superflex is 100.0% shielded and 100% waterproof and has such low loss at high frequencies.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19817. Re: 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 16:36:56 UTC
From: Allan
Topic: 19805 Message: 19817

I had a similar problem at my former location in Ottawa re: OCF dipole and just mounted a short (10 ft) pole at the rear fence and bent the longer leg at 90 degrees near the end and down to the fence 20 feet away (bent leg was 10 ft) using PVC 45 angle elbow tethered from the pole. Seemed to work just as well as if it was straight.

Al, va3kai

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
..... the problem is that I have one tree in the front and the chain fence in the back . the tree is 53 ft from the pole and the fence is 85 ft from the pole , I considered building the OCF but it is too long for the back yard section

19818. Re: 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 16:54:44 UTC
From: vaclav_sal
Topic: 19805 Message: 19818

No, folded dipole (two half wavelength elements "in parallel") by definition will occupy in theory same space / length! (+- some tweaking).

But you can let the ends go vertical as suggested.

The change in radiation pattern may not be worth to bother with,
especially on 80 and at 35 feet height.

Of course you can model it and see "how low (horizontal to vertical ratio) can you go" before it really became unusable as a simple dipole.

PS
Who told you you cannot have anything higher than 35 feet? Especially if you live near 100 plus feet tall sequoias? I think emergency services are pulling your leg , just to be ornery and feel important.

I do not want to get into lengthy "what if" discussion but Part 97 specifically talks about antenna height limits NEAR the airport.

And no, I am not suggesting that "also every emergency landing site" should be added to the Part 97 rules.

Those fly boys are well trained and can land anywhere they feel it is safe to do so, no more bureaucratic rules need to be added.

73 Vaclav AA7EJ

19819. Re: [ham-antennas] Re: 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 17:05:22 UTC
From: dean
Topic: 19805 Message: 19819

A few years back I was involved with our local SAR (search and rescue). The Highway Patrols chopper was designated H40 and they do not fly close to the ground and make circle an open field to make sure there are no obstructions in the way before they land. I would keep the pole lower than the tree. If you live in town I'd see the city fathers first for permission or just raise it higher at night. Hi Hi

73, WY6L

From: vaclav_sal
Sent: Friday, September 16, 2011 9:54 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 75/80 metre dipole

No, folded dipole (two half wavelength elements "in parallel") by definition will occupy in theory same space / length! (+- some tweaking).

But you can let the ends go vertical as suggested.

The change in radiation pattern may not be worth to bother with,
especially on 80 and at 35 feet height.

Of course you can model it and see "how low (horizontal to vertical ratio) can you go" before it really became unusable as a simple dipole.

PS
Who told you you cannot have anything higher than 35 feet? Especially if you live near 100 plus feet tall sequoias? I think emergency services are pulling your leg , just to be ornery and feel important.

I do not want to get into lengthy "what if" discussion but Part 97 specifically talks about antenna height limits NEAR the airport.

And no, I am not suggesting that "also every emergency landing site" should be added to the Part 97 rules.

Those fly boys are well trained and can land anywhere they feel it is safe to do so, no more bureaucratic rules need to be added.

73 Vaclav AA7EJ

[Non-text portions of this message have been removed]

19820. Re: [ham-antennas] 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 20:59:32 UTC
From: Andy
Topic: 19805 Message: 19820

> ... could I make it into a folded dipole and will that cause more
> problems than it solves ?

A folded dipole is no shorter than a normal dipole! If your plain dipole is 120', your folded dipole would be 120', end-to-end, and it needs 240' of wire (plus the feedline).

What the folded dipole does, is make the feedpoint impedance higher (which can sometimes be beneficial with a low horizontal dipole to get the impedance back up into the ~50 ohm range). You also might get a tad wider bandwidth, but that's a secondary benefit.

Andy

19821. AW: [ham-antennas] 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-16 21:10:10 UTC
From: Siegfried Jackstien
Topic: 19805 Message: 19821

I think he wanted to ask if he can make it a bent dipole ... not a folded
dipole
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Andy
> Gesendet: Freitag, 16. September 2011 21:00
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] 75/80 metre dipole
>
>
>
> > ... could I make it into a folded dipole and will that cause more
> > problems than it solves ?
>
> A folded dipole is no shorter than a normal dipole! If your plain
> dipole is 120', your folded dipole would be 120', end-to-end, and it
> needs 240' of wire (plus the feedline).
>
> What the folded dipole does, is make the feedpoint impedance higher
> (which can sometimes be beneficial with a low horizontal dipole to get
> the impedance back up into the ~50 ohm range). You also might get a
> tad wider bandwidth, but that's a secondary benefit.
>
> Andy
>
>
>

19822. Re: 75/80 metre dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-17 19:09:31 UTC
From: fred
Topic: 19805 Message: 19822

not too many pines in town , mostly oaks and pecans and the ones that are here are between 40 and 60ft. am 25 miles from the airport , the EMS building and copter are 3 blocks north and 1 block south of me . I can hear when they start it . I have a 50 ft pole , will put it up and see if anyone notices .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "vaclav_sal" <vaclav_sal@...> wrote:
>
> No, folded dipole (two half wavelength elements "in parallel") by definition will occupy in theory same space / length! (+- some tweaking).
>
> But you can let the ends go vertical as suggested.
>
> The change in radiation pattern may not be worth to bother with,
> especially on 80 and at 35 feet height.
>
> Of course you can model it and see "how low (horizontal to vertical ratio) can you go" before it really became unusable as a simple dipole.
>
> PS
> Who told you you cannot have anything higher than 35 feet? Especially if you live near 100 plus feet tall sequoias? I think emergency services are pulling your leg , just to be ornery and feel important.
>
> I do not want to get into lengthy "what if" discussion but Part 97 specifically talks about antenna height limits NEAR the airport.
>
> And no, I am not suggesting that "also every emergency landing site" should be added to the Part 97 rules.
>
> Those fly boys are well trained and can land anywhere they feel it is safe to do so, no more bureaucratic rules need to be added.
>
> 73 Vaclav AA7EJ
>

19823. Something for every ham

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-18 00:36:02 UTC
From: kd8dvy@ymail.com
Topic: 19823 Message: 19823

Ok several days ago I got bored and snatched down my complete antenna system.

Some of you may think that this is crazy but it's not I did it for antenna maintenance.

1) removed support lines and shot news.
2) checked solder joints and shrink tubed protected the splices
3) reinforced the feed-line and center support
4) added an Inverted V doublet
5) new coax for the short run to the shack.

The reason I posted this is cause we talk about putting up antennas and how they act and how they receive. Well this is just a reminder that you should do antenna maintenance at lease one ever 5 years or so. If you can do it more often, like I do then that's great.

Just remember that we are only as good as our antennas and if you fore-go the maintenance and you are not as good as you once were then it may just be your antenna not you or the rig.

Harold
KD8DVY

19824. long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-18 19:42:09 UTC
From: Grady Hawkins
Topic: 19824 Message: 19824

I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.

Grady
KF5KZX

19825. Re: [ham-antennas] long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-18 19:58:14 UTC
From: Ron Youvan
Topic: 19824 Message: 19825

Grady KF5KZX Hawkins wrote:

> I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a
> manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I
> think I am going to try long wire first. My biggest question is if you run window line or coax to
> the long wire from the shack, do you do anything with the other lead? Take it to ground or some
> radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and
> I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.

No, the high impedance twin lead goes to one end and the other wire in the twin lead is taped up
or heat shrunk to keep water out. This is a "Zep antenna look it up. It would really help if you
were to cut it to a 1/2 wl on the frequency that you most want to work.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19826. RE: [ham-antennas] long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-18 20:47:46 UTC
From: jo barden
Topic: 19824 Message: 19826

Hi Grady

If you operate on one band only and use coax/twin feed half wavelength long you have a Zepp antenna. If you want to be multiband that is when things get a bit complicated, Then the inner of coax would go to long wire and sheild to earth stake/stakes/radials remember that if there is only one conductor it will radiate RF so if you have one conductor straight to long wire and shack ground there is a good chance you will have RF in the shack etc.

If you can try and run twin lead from tuner (better at higher impedances than coax) and once out of shack then just take one side down to earth stakes etc. I assume you are using a tuner if so there may be a internal balun but if not they are a doddle to make. You can either use torroids or ferrite rods, old AM radio internal antenna ferrite's work well and are cheap.

I seem to remember there is a website with the distances NOT to cut length to but cannot remember it at the moment I will look tomorrow if nobody else posts it. I think it was a Canadian Amateurs site.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: grady@...
Date: Sun, 18 Sep 2011 19:42:09 +0000
Subject: [ham-antennas] long wire questions

I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.

Grady

KF5KZX

[Non-text portions of this message have been removed]

19827. Re: [ham-antennas] long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-19 00:16:15 UTC
From: Tristani Ramon
Topic: 19824 Message: 19827

Grady/Jon:

I believe this is the link you are referring to.

http://www.hamuniverse.com/randomwireantennalengths.html

Credit goes to the author.

Regards,
Ramon, KP4GE

On Sep 18, 2011, at 4:47 PM, jo barden wrote:

>
> Hi Grady
>
> If you operate on one band only and use coax/twin feed half wavelength long you have a Zepp antenna. If you want to be multiband that is when things get a bit complicated, Then the inner of coax would go to long wire and sheild to earth stake/stakes/radials remember that if there is only one conductor it will radiate RF so if you have one conductor straight to long wire and shack ground there is a good chance you will have RF in the shack etc.
>
> If you can try and run twin lead from tuner (better at higher impedances than coax) and once out of shack then just take one side down to earth stakes etc. I assume you are using a tuner if so there may be a internal balun but if not they are a doddle to make. You can either use torroids or ferrite rods, old AM radio internal antenna ferrite's work well and are cheap.
>
> I seem to remember there is a website with the distances NOT to cut length to but cannot remember it at the moment I will look tomorrow if nobody else posts it. I think it was a Canadian Amateurs site.
>
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: grady@...
> Date: Sun, 18 Sep 2011 19:42:09 +0000
> Subject: [ham-antennas] long wire questions
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.
>
>
>
> Grady
>
> KF5KZX
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19828. Recommended All-band antennas for backpacking?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-19 00:49:55 UTC
From: Jeri
Topic: 19828 Message: 19828

I have an FT-817 5-watt rig and an LDG Z817 tuner. I live in Los Angeles, only an hour away from the Angeles National Forest (with lots of trees and deep ravines I can use to string an antenna to/over).

I'm looking for a good antenna design that will cover every one of the US Ham Bands, 160 through 10 (with the use of the tuner, of course), and will be portable enough for backpacking. I am especially looking for a single antenna, one which will cover all the bands, without my needing to take it down and change it/tune it for each band.

My first idea would be a random-length wire Dipole/Doublet, about 260 feet or so of 20awg to 26awg wire, supported from the trees or across the ravines with some thin cord or Dacron fishing line. I would feed it with parallel line, probably 300 ohm twinlead, just long enough to go from the middle of the antenna to the tuner, with a homemade balun as needed at the tuner end.

I know there is someone out there who has already designed and is using this type of all-band antenna. So, what has your experience been? What length did you use to get all bands, and what balun ratio?

That would be just about the simplest antenna, and probably the lightest antenna, I could think of. And it would have good gain (but poor antenna patterns) on all bands, if I can get it down to about 6:1 SWR on all the bands that is, so the tuner could take it from there.

If another type of antenna would be better and handle all the bands, I would be interested in that one too.

I haven't really seen any direct discussion on an all-band antenna on the Internet (I searched). Usually, the discussion is about an antenna that has a low SWR on "all" bands, but skips certain bands because the SWR isn't low enough there (like a G5RV), or talks in general terms about the theory of an antenna, but gives no practical experience.

Any ideas? Has anyone out there put together an antenna that covers all bands, and is light enough to carry around all day?

Jerry

K6ANI

19829. Re: long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-19 01:11:08 UTC
From: fred
Topic: 19824 Message: 19829

14 thnn in not really stealthy . I used to be in a neighborhood like that and made my G5RV antenna from 1/16 " galvanize lift cable after it has been up for a couple of months it turned a dull grey colour and was almost invisable I did not use any end insulators and had no problems . the window line was the most visible item but I had it in the back yard and no one ever noticed it . if you have trees in the right places you can hide it in the trees . It was actually touching a limb but I did not have any problems and was running 100 watts however it should be in the clear if at all possible .
I think I may have a photo of it and if I do I will put it in the photo section . it is also inexpensive . I got all the parts to make it for less than 15 dollars .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "Grady Hawkins" <grady@...> wrote:
>
> I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.
>
> Grady
> KF5KZX
>

19830. RE: [ham-antennas] Re: long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-19 01:56:30 UTC
From: Richard Schmuke
Topic: 19824 Message: 19830

Andrew has some good points, don’t let the antenna Ex-Spurts** jump in and talk about steel having more resistance. The 1/16 cable he speaks of will do just fine, you might be ½ of 6% of a dB loss in 2000 miles but it will work. I have used galvanized cable and SS safety wire , it all works. You could put up the wire and no one would notice, a 20m beam on a tower is different but a wire is not a eye sore and would be hard to see.

**Ex is a has been and Spurt is a drip under pressure

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

-- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "Grady Hawkins" <grady@...> wrote:
>
> I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.
>
> Grady
> KF5KZX
>

[Non-text portions of this message have been removed]

19831. Re: Recommended All-band antennas for backpacking?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-19 07:08:07 UTC
From: Dave
Topic: 19828 Message: 19831

The only Antenna I can think of that might do the job is a W3EDP, I have tried this in practice and it definite does work. whether there is something better or more effective I do not know but would be interested to find out.

Dave
G6EGM

--- In ham-antennas@yahoogroups.com, "Jeri" <jeri_hara@...> wrote:
>
> I have an FT-817 5-watt rig and an LDG Z817 tuner. I live in Los Angeles, only an hour away from the Angeles National Forest (with lots of trees and deep ravines I can use to string an antenna to/over).
>
> I'm looking for a good antenna design that will cover every one of the US Ham Bands, 160 through 10 (with the use of the tuner, of course), and will be portable enough for backpacking. I am especially looking for a single antenna, one which will cover all the bands, without my needing to take it down and change it/tune it for each band.
>
> My first idea would be a random-length wire Dipole/Doublet, about 260 feet or so of 20awg to 26awg wire, supported from the trees or across the ravines with some thin cord or Dacron fishing line. I would feed it with parallel line, probably 300 ohm twinlead, just long enough to go from the middle of the antenna to the tuner, with a homemade balun as needed at the tuner end.
>
> I know there is someone out there who has already designed and is using this type of all-band antenna. So, what has your experience been? What length did you use to get all bands, and what balun ratio?
>
> That would be just about the simplest antenna, and probably the lightest antenna, I could think of. And it would have good gain (but poor antenna patterns) on all bands, if I can get it down to about 6:1 SWR on all the bands that is, so the tuner could take it from there.
>
> If another type of antenna would be better and handle all the bands, I would be interested in that one too.
>
> I haven't really seen any direct discussion on an all-band antenna on the Internet (I searched). Usually, the discussion is about an antenna that has a low SWR on "all" bands, but skips certain bands because the SWR isn't low enough there (like a G5RV), or talks in general terms about the theory of an antenna, but gives no practical experience.
>
> Any ideas? Has anyone out there put together an antenna that covers all bands, and is light enough to carry around all day?
>
> Jerry

>
> K6ANI
>

19832. RE: [ham-antennas] long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-19 15:02:54 UTC
From: jo barden
Topic: 19824 Message: 19832

Yes that is the one, I really should bookmark it!

Jon

To: ham-antennas@yahoogroups.com
From: ramon.tristani@...
Date: Sun, 18 Sep 2011 20:16:15 -0400
Subject: Re: [ham-antennas] long wire questions

Grady/Jon:

I believe this is the link you are referring to.

http://www.hamuniverse.com/randomwireantennalengths.html

Credit goes to the author.

Regards,

Ramon, KP4GE

On Sep 18, 2011, at 4:47 PM, jo barden wrote:

>

> Hi Grady

>

> If you operate on one band only and use coax/twin feed half wavelength long you have a Zepp antenna. If you want to be multiband that is when things get a bit complicated, Then the inner of coax would go to long wire and sheild to earth stake/stakes/radials remember that if there is only one conductor it will radiate RF so if you have one conductor straight to long wire and shack ground there is a good chance you will have RF in the shack etc.

>

> If you can try and run twin lead from tuner (better at higher impedances than coax) and once out of shack then just take one side down to earth stakes etc. I assume you are using a tuner if so there may be a internal balun but if not they are a doddle to make. You can either use torroids or ferrite rods, old AM radio internal antenna ferrite's work well and are cheap.

>

> I seem to remember there is a website with the distances NOT to cut length to but cannot remember it at the moment I will look tomorrow if nobody else posts it. I think it was a Canadian Amateurs site.

>

>

> Jon

>

> G6UWK

>

> To: ham-antennas@yahoogroups.com

> From: grady@...

> Date: Sun, 18 Sep 2011 19:42:09 +0000

> Subject: [ham-antennas] long wire questions

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.

>

>

>

> Grady

>

> KF5KZX

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

>

>

> ------------------------------------

>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links

>

>

>

[Non-text portions of this message have been removed]

19833. Re: [ham-antennas] long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-19 15:26:08 UTC
From: Frank Kirschner
Topic: 19824 Message: 19833

Here's another site that lists good lengths to use with a 9:1 UNUN:

http://www.balundesigns.com/Wire%20Length%20for%209132s.pdf

Click on the link in the middle of the page for the table of lengths. There are several lengths that provide good SWRs from 160 to 6 meters.

They're selling an UNUN, but you could build your own, especially if you're using lower power. A good ground/counterpoise would improve your signal.

73,
Frank
KF6E

> Grady/Jon:
>
>
>
> I believe this is the link you are referring to.
>
>
>
> http://www.hamuniverse.com/randomwireantennalengths.html
>
>
>
> Credit goes to the author.
>
>
>
> Regards,
>
> Ramon, KP4GE
>
>
>

[Non-text portions of this message have been removed]

19834. Re: long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-19 16:18:36 UTC
From: kd8phx
Topic: 19824 Message: 19834

Grady,
One possible configuration is an end fed. See attached link.
http://www.balundesigns.com/servlet/the-106/9-cln-1-9-dsh-1-unun/Detail

I use a similar arrangement. Is it the best? No, but it is stealthy & EZ. I use it on 80M & 160M for non-DX work. If you have any questions you can email me or we can even talk - 73
Bob V

--- In ham-antennas@yahoogroups.com, "Grady Hawkins" <grady@...> wrote:
>
> I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.
>
> Grady
> KF5KZX
>

19836. Re: long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-19 19:50:03 UTC
From: vaclav_sal
Topic: 19824 Message: 19836

Grady,
I think you got some good advise here.

Just FYI
Long wire and Zepp antennas are not the same.
Zepp is still a dipole and long wire is generally longer than dipole and sometime of random length not related to frequency in use.
Zepp as dipole is preferable to work on design frequency.
Both are high impedance antennas and need to be matched to your rig
using suitable feed line and / or balun.
Feeding Zepp directly using coax will give you good radiating dummy load at the best and your not ham friendly hood may became hostile.

19838. Re: long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 00:33:23 UTC
From: fred
Topic: 19824 Message: 19838

on't use it any more as I moved out of Houston but I kept it to use on field day .
i have worked a station on Maui and Athens , Croatia , Ducie island with that antenna . the only problem I had with it is I have to take it down every year or so and clean the connections between the copper wire feed line and the cable . put some anti oxident grease on the connections and tape them .
andrew
kd5pnt
--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
>
>
> Andrew has some good points, donâ☐☐t let the antenna Ex-Spurts** jump in and talk about steel having more resistance. The 1/16 cable he speaks of will do just fine, you might be Â½ of 6% of a dB loss in 2000 miles but it will work. I have used galvanized cable and SS safety wire , it all works. You could put up the wire and no one would notice, a 20m beam on a tower is different but a wire is not a eye sore and would be hard to see.
>
> **Ex is a has been and Spurt is a drip under pressure
>
>
>
> Rich ,KDÃ☐ZZ , â☐º
>
>
>
> from the middle of Missouri , out in the sticks with the hicks and the ticks.
>
>
>
>
>
>
>
> -- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "Grady Hawkins" <grady@> wrote:
> >
> > I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.
> >
> > Grady
> > KF5KZX
> >
>

>
>
>
>
> [Non-text portions of this message have been removed]
>

19839. RE: [ham-antennas] Re: long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 00:47:32 UTC
From: Greg DeChant
Topic: 19824 Message: 19839

Fred;

You could disguise that 5BTV as a flagpole.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of fred
Sent: Monday, September 19, 2011 8:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: long wire questions

on't use it any more as I moved out of Houston but I kept it to use on field day .
i have worked a station on Maui and Athens , Croatia , Ducie island with that antenna . the only problem I had with it is I have to take it down every year or so and clean the connections between the copper wire feed line and the cable . put some anti oxident grease on the connections and tape them .
andrew
kd5pnt
--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
>
>
>
> Andrew has some good points, donâ€™t let the antenna Ex-Spurts** jump in and talk about steel having more resistance. The 1/16 cable he speaks of will do just fine, you might be Â½ of 6% of a dB loss in 2000 miles but it will work. I have used galvanized cable and SS safety wire , it all works. You could put up the wire and no one would notice, a 20m beam on a tower is different but a wire is not a eye sore and would be hard to see.
>
> **Ex is a has been and Spurt is a drip under pressure
>
>
>
> Rich ,KDÃ˜ZZ , â˚°
>
>
>
> from the middle of Missouri , out in the sticks with the hicks and the ticks.
>
>
>
>
>
>
>
>
> -- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com> , "Grady Hawkins" <grady@> wrote:
> >

> > I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.
> >
> > Grady
> > KF5KZX
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

19840. Re: long wire questions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 01:24:18 UTC
From: fred
Topic: 19824 Message: 19840

I never had any kind of vertical except for a short CB vertical on the house in houston , the neighborhood antenna nazis never said anything about it as it was used for the area COP's group . I moved from there in 2003 to La Grange in an area that has no restrictions within reason , I might get some complaints if I put up a 75 metre yagi but my dipoles work well enough . I had my HF antenna mounted to my truck and they could not do anything about that .
kd5pnt

--- In ham-antennas@yahoogroups.com, "Greg DeChant" <gcdechant@...> wrote:
>
> Fred;
>
>
>
> You could disguise that 5BTV as a flagpole.
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of fred
> Sent: Monday, September 19, 2011 8:33 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: long wire questions
>
>
>
>
>
> on't use it any more as I moved out of Houston but I kept it to use on field day .
> i have worked a station on Maui and Athens , Croatia , Ducie island with that antenna . the only problem I had with it is I have to take it down every year or so and clean the connections between the copper wire feed line and the cable . put some anti oxident grease on the connections and tape them .
> andrew
> kd5pnt
> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@> wrote:
> >
> >
> >
> > Andrew has some good points, donÃ¢â□¬â□¢t let the antenna Ex-Spurts** jump in and talk about steel having more resistance. The 1/16 cable he speaks of will do just fine, you might be Ã□Â½ of 6% of a dB loss in 2000 miles but it will work. I have used galvanized cable and SS safety wire , it all works. You could put up the wire and no one would notice, a 20m beam on a tower is different but a wire is not a eye sore and would be hard to see.
> >
> > **Ex is a has been and Spurt is a drip under pressure

> >
> >
> >
> > Rich ,KDÃ□Ë□ZZ , Ã¢Ë□Âº
> >
> >
> >
> > from the middle of Missouri , out in the sticks with the hicks and the ticks.
> >
> >
> >
> >
> >
> >
> >
> > -- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com> , "Grady Hawkins" <grady@> wrote:
> > >
> > > I have 2 pieces of 14 awg thhn about 80 foot each. I am wanting to string out a long wire on a manual tuner or make a dipole. Since my neighborhood is not ham friendly and I have to be stealth, I think I am going to try long wire first. My biggest question is if you run window line or coax to the long wire from the shack, do you do anything with the other lead? Take it to ground or some radials? I am new to this but the experimenting is great. I just got my ticket a few months ago and I am currently running a 5BTV vertical. I raise it up when the sun goes down. Thanks, 73.
> > >
> > > Grady
> > > KF5KZX
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19841. Antenna website

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 08:43:41 UTC
From: jo barden
Topic: 19841 Message: 19841

HI All

apologises if you are already aware but the Royal Signals Amateur Radio Society has a good bit on antennas as pdf files and you do not have to be a member to access they are at http://www.rsars.org.uk/ELIBRARY/docsants.htm

May be of interest.

Jon

G6UWK

[Non-text portions of this message have been removed]

19842. Re: Recommended All-band antennas for backpacking?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 11:32:52 UTC
From: Jeri
Topic: 19828 Message: 19842

Dave,

From what I found, it looks like am 80M-ish end-fed antenna. I would have to experiment with it to make it cover 160M too. And the descriptions say you need several different counterpoises, different for each band.

Overall, it looks like it is a good restricted-length antenna. But out in the woods, there are no such length restrictions, as long as I can get the ends up into a set of trees far enough apart. And in the Angeles Forest, the problem may be trying to find an area where I don't have to thread the antenna through other trees.

Jerry

--- In ham-antennas@yahoogroups.com, "Dave" <dpatrick_1@...> wrote:
>
> The only Antenna I can think of that might do the job is a W3EDP, I have tried this in practice and it definite does work. whether there is something better or more effective I do not know but would be interested to find out.
>
> Dave
> G6EGM
>
> --- In ham-antennas@yahoogroups.com, "Jeri" <jeri_hara@> wrote:
> >
> > I have an FT-817 5-watt rig and an LDG Z817 tuner. I live in Los Angeles, only an hour away from the Angeles National Forest (with lots of trees and deep ravines I can use to string an antenna to/over).
> >
> > I'm looking for a good antenna design that will cover every one of the US Ham Bands, 160 through 10 (with the use of the tuner, of course), and will be portable enough for backpacking. I am especially looking for a single antenna, one which will cover all the bands, without my needing to take it down and change it/tune it for each band.
> >
> > My first idea would be a random-length wire Dipole/Doublet, about 260 feet or so of 20awg to 26awg wire, supported from the trees or across the ravines with some thin cord or Dacron fishing line. I would feed it with parallel line, probably 300 ohm twinlead, just long enough to go from the middle of the antenna to the tuner, with a homemade balun as needed at the tuner end.
> >
> > I know there is someone out there who has already designed and is using this type of all-band antenna. So, what has your experience been? What length did you use to get all bands, and what balun ratio?
> >
> > That would be just about the simplest antenna, and probably the lightest antenna, I could think of. And it would have good gain (but poor antenna patterns) on all bands, if I can get it down to about 6:1 SWR on all the bands that is, so the tuner could take it from

there.
> >
> > If another type of antenna would be better and handle all the bands, I would be interested in that one too.
> >
> > I haven't really seen any direct discussion on an all-band antenna on the Internet (I searched). Usually, the discussion is about an antenna that has a low SWR on "all" bands, but skips certain bands because the SWR isn't low enough there (like a G5RV), or talks in general terms about the theory of an antenna, but gives no practical experience.
> >
> > Any ideas? Has anyone out there put together an antenna that covers all bands, and is light enough to carry around all day?
> >
> > Jerry
> >
> > K6ANI
> >
>

19844. Folded Doublet Using Zip Cord Instead of Twin Lead?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 12:49:01 UTC
From: kd0ca
Topic: 19844 Message: 19844

I'm thinking about making an RXO Unitenna, published by G3RXO. It is a Folded doublet, fed off center, and is deployed vertically. You can learn more about it at http://www.standardtrees.co.uk/RXO-Unitenna.pdf.

My question is if I made a folded doublet like this out of zip cord instead of slotted line or TV twinlead, would it still be OK in your opinion? I guess I can find ladder line or such easily, but wonder if the low cost electric Zip Cord wtih 16 or 18 Gauge insulated wire would suffice? Thanks for any light you can shed on this.

73,

Jerry L. Bartachek Sr. KDØCA
Washington, IA

19845. Re: [ham-antennas] Folded Doublet Using Zip Cord Instead of Twin Lead?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 13:15:48 UTC
From: Frank Kirschner
Topic: 19844 Message: 19845

The problem is that zip cord has a very different characteristic impedance from the 450-ohm ladder line or 300-ohm twinlead suggested. Depending on the diameter of the wires and the distance between them, the impedance is probably around 70 to 200 ohms (just a guess). The length, impedance, and performance would be different from that shown in G3RXO's report.

If you try it, please let us know about your experiences.

73,
Frank
KF6E

On Tue, Sep 20, 2011 at 8:49 AM, kd0ca <kd0ca@...> wrote:

> **
>
>
> I'm thinking about making an RXO Unitenna, published by G3RXO. It is a
> Folded doublet, fed off center, and is deployed vertically. You can learn
> more about it at http://www.standardtrees.co.uk/RXO-Unitenna.pdf.
>
> My question is if I made a folded doublet like this out of zip cord instead
> of slotted line or TV twinlead, would it still be OK in your opinion? I
> guess I can find ladder line or such easily, but wonder if the low cost
> electric Zip Cord wtih 16 or 18 Gauge insulated wire would suffice? Thanks
> for any light you can shed on this.
>
> 73,
>
> Jerry L. Bartachek Sr. KD?CA
> Washington, IA
>
>
>

[Non-text portions of this message have been removed]

19847. Re: [ham-antennas] Folded Doublet Using Zip Cord Instead of Twin Lead?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 13:41:43 UTC
From: Ron Youvan
Topic: 19844 Message: 19847

Jerry L. Bartachek Sr. KD?CA kd0ca wrote:

> I'm thinking about making an RXO Unitenna, published by G3RXO. It is a Folded doublet, fed off
> center, and is deployed vertically. You can learn more about it at
> http://www.standardtrees.co.uk/RXO-Unitenna.pdf.

The link is stale or incorrect so we can't see it. Zip cord generally has a surge impedance of
about 60-70 ohms. (works very well with dipoles)
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19848. Re: Folded Doublet Using Zip Cord?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 14:02:10 UTC
From: kd0ca
Topic: 19844 Message: 19848

Sorry about the stale link. I think this one should work, at least it worked for me:
http://vk6nu.files.wordpress.com/2007/06/rxo-unitenna.pdf

I realize that zip cord has lots written about it both for and against, but its impedance should be of no consequence, as it will NOT be used as a feeder. I intend to feed with 300 ohm window line or twinlead. As soon as I try it, I will report back how it works. I should make 2 of them, one with "real" twin lead and one with zip cord just to see.
73.

Jerry L. Bartachek Sr. KDØCA

19849. Re: [ham-antennas] Folded Doublet Using Zip Cord Instead of Twin Lead?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 14:02:36 UTC
From: Frank Kirschner
Topic: 19844 Message: 19849

The link will work if you copy and paste it into your browser. It might
have an embedded control character or some other flaw.

73,
Frank
KF6E

On Tue, Sep 20, 2011 at 9:41 AM, Ron Youvan <ka4inm@...> wrote:

> **
>
>
> Jerry L. Bartachek Sr. KD?CA kd0ca wrote:
>
> > I'm thinking about making an RXO Unitenna, published by G3RXO. It is a
> Folded doublet, fed off
> > center, and is deployed vertically. You can learn more about it at
> > http://www.standardtrees.co.uk/RXO-Unitenna.pdf.
>
> The link is stale or incorrect so we can't see it. Zip cord generally has a
> surge impedance of
> about 60-70 ohms. (works very well with dipoles)
> --
> Ron KA4INM - Ifen my mother in law were to boil water
> it would taste funny ... Earl Pitts 9-1-11
>
>
>

[Non-text portions of this message have been removed]

19850. Re: Folded Vertical OCF Doublet - Stale Link

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 14:06:51 UTC
From: kd0ca
Topic: 19844 Message: 19850

I see what happened to the bad link - it had a period AFTER the pdf in the URL. It should have been:
http://www.standardtrees.co.uk/RXO-Unitenna.pdf

73,
Jerry

19851. Re: [ham-antennas] Re: Folded Doublet Using Zip Cord?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 14:15:36 UTC
From: Frank Kirschner
Topic: 19844 Message: 19851

Even if it's only used as the antenna itself, its characteristic impedance makes a difference. Exactly what that difference would be is hard to predict. The net result might be that you need to alter the length to get it to work.

Generally, a folded dipole has about 300 ohms impedance. This antenna is not a half wave, and is not center-fed, so the impedance varies considerably over the 3:1 frequency range. The dimensions he gives are calculated to make the impedance something close to 300 ohms in the ham bands of choice. Changing the characteristic impedance of the antenna itself may vary the input impedance in ways that are hard to predict.

73,
Frank
KF6E

On Tue, Sep 20, 2011 at 10:02 AM, kd0ca <kd0ca@...> wrote:

> **
>
>
> Sorry about the stale link. I think this one should work, at least it
> worked for me:
> http://vk6nu.files.wordpress.com/2007/06/rxo-unitenna.pdf
>
> I realize that zip cord has lots written about it both for and against, but
> its impedance should be of no consequence, as it will NOT be used as a
> feeder. I intend to feed with 300 ohm window line or twinlead. As soon as I
> try it, I will report back how it works. I should make 2 of them, one with
> "real" twin lead and one with zip cord just to see.
> 73.
>
> Jerry L. Bartachek Sr. KDØCA
>

[Non-text portions of this message have been removed]

19852. Re: [ham-antennas] Re: Folded Doublet Using Zip Cord?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 14:59:58 UTC
From: Ron Youvan
Topic: 19844 Message: 19852

Jerry L. Bartachek Sr. KD?CA wrote:

> Sorry about the stale link. I think this one should work, at least it worked for me:
> http://vk6nu.files.wordpress.com/2007/06/rxo-unitenna.pdf
>
> I realize that zip cord has lots written about it both for and against, but its impedance should be
> of no consequence, as it will NOT be used as a feeder. I intend to feed with 300 ohm window line or
> twinlead. As soon as I try it, I will report back how it works. I should make 2 of them, one with
> "real" twin lead and one with zip cord just to see.

The second link worked just fine. I agree, the twin leads impedance is irreverent here.
I would recommend 300 Ohm twin lead over the zip cord, because the twin lead is insulated with
polyethylene a good electrical material and it weathers better, it may be lighter, the zip cord we
don't know. I wonder what this antenna's impedance is on whatever bands it is supposed to be usable on.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19853. Re: [ham-antennas] Antenna website

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 15:44:01 UTC
From: dean
Topic: 19841 Message: 19853

I will give it a look at. It turns out my 80 meter dipole is not resonant at 3.603 so going to add some wire to the end and just let it hang down. Some clown when trimming my bush’s cut my line holding my antenna off the ground. Not hiring him again.

73, WY6L

From: jo barden
Sent: Tuesday, September 20, 2011 1:43 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna website

HI All

apologises if you are already aware but the Royal Signals Amateur Radio Society has a good bit on antennas as pdf files and you do not have to be a member to access they are at http://www.rsars.org.uk/ELIBRARY/docsants.htm

May be of interest.

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19854. Re: [ham-antennas] Re: Recommended All-band antennas for backpacking?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 15:46:28 UTC
From: dean
Topic: 19828 Message: 19854

Carry a bow and arrows, or have the fishing reel on the bow. I shot an arrow into the air and where it landed I hope was over the limb.

73, WY6L

From: Jeri
Sent: Tuesday, September 20, 2011 4:32 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Recommended All-band antennas for backpacking?

Dave,

From what I found, it looks like am 80M-ish end-fed antenna. I would have to experiment with it to make it cover 160M too. And the descriptions say you need several different counterpoises, different for each band.

Overall, it looks like it is a good restricted-length antenna. But out in the woods, there are no such length restrictions, as long as I can get the ends up into a set of trees far enough apart. And in the Angeles Forest, the problem may be trying to find an area where I don't have to thread the antenna through other trees.

Jerry

--- In mailto:ham-antennas%40yahoogroups.com, "Dave" <dpatrick_1@...> wrote:
>
> The only Antenna I can think of that might do the job is a W3EDP, I have tried this in practice and it definite does work. whether there is something better or more effective I do not know but would be interested to find out.
>
> Dave
> G6EGM
>
> --- In mailto:ham-antennas%40yahoogroups.com, "Jeri" <jeri_hara@> wrote:
> >
> > I have an FT-817 5-watt rig and an LDG Z817 tuner. I live in Los Angeles, only an hour away from the Angeles National Forest (with lots of trees and deep ravines I can use to string an antenna to/over).
> >
> > I'm looking for a good antenna design that will cover every one of the US Ham Bands, 160 through 10 (with the use of the tuner, of course), and will be portable enough for backpacking. I am especially looking for a single antenna, one which will cover all the bands, without my needing to take it down and change it/tune it for each band.
> >
> > My first idea would be a random-length wire Dipole/Doublet, about 260 feet or so of 20awg to 26awg wire, supported from the trees or across the ravines with some thin cord or

Dacron fishing line. I would feed it with parallel line, probably 300 ohm twinlead, just long enough to go from the middle of the antenna to the tuner, with a homemade balun as needed at the tuner end.
> >
> > I know there is someone out there who has already designed and is using this type of all-band antenna. So, what has your experience been? What length did you use to get all bands, and what balun ratio?
> >
> > That would be just about the simplest antenna, and probably the lightest antenna, I could think of. And it would have good gain (but poor antenna patterns) on all bands, if I can get it down to about 6:1 SWR on all the bands that is, so the tuner could take it from there.
> >
> > If another type of antenna would be better and handle all the bands, I would be interested in that one too.
> >
> > I haven't really seen any direct discussion on an all-band antenna on the Internet (I searched). Usually, the discussion is about an antenna that has a low SWR on "all" bands, but skips certain bands because the SWR isn't low enough there (like a G5RV), or talks in general terms about the theory of an antenna, but gives no practical experience.
> >
> > Any ideas? Has anyone out there put together an antenna that covers all bands, and is light enough to carry around all day?
> >
> > Jerry
> >
> > K6ANI
> >
>

[Non-text portions of this message have been removed]

19855. Velocity factor effect on wire antenna length

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 16:07:23 UTC
From: vaclav_sal
Topic: 19824 Message: 19855

I am little confused about this subject.

I am building experimental / temporary array using 24 gauge telephone cross connect / jumper wire.
I am not sure about what is the actual material used in insulation.
It seems to be "advertized " as PVC.
I found that PVC has the lowest velocity factor of any material - (in telephone usage it is in audio range of frequencies) ranging anywhere from .6 to .4.

Does that mean that the antenna element could be almost half as long as the modeling software , which did not include velocity factor in calculations , determined?

One source sad that velocity factor may be only few percent.
50 % is definetly not "few".

I was thinking about stripping the insulation, but it is not that easy and pulling it off seems to stretch the wire core. Besides , the wire gets too hard to handle ☐ it twist like a snake without the added insulation.

I think the best way to fix this will be to made test antenna , one with and one withtout the insulation and actually measure the resonnace. And than I will have a better idea what is really necessary to bring the array into frequency of interest.

Any constructive comments will be greatly appreciated.

73 Vaclav AA7EJ

19856. Re: [ham-antennas] Velocity factor effect on wire antenna length

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 17:42:44 UTC
From: Andy
Topic: 19824 Message: 19856

The effect of the insulating material depends also on its thickness.
If only a very thin coat, most of the electric field is outside the
insulator, in air, where the dielectric constant is 1.

If you buried your elements in solid PVC and there was no air, then
yes it probably would need to be half as long as in air.

Making the elements shorter is a combination of velocity factor, as
well as coupling from the elements to other objects. Even bare metal
elements usually need to be made a little shorter than theory says.

Andy

19857. Slim Jim Twin Lead

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 22:21:54 UTC
From: tivoligardens@yahoo.com
Topic: 19857 Message: 19857

I am attempting to make my first antenna. I purchased the twin lead from Radio Shack but all they had was the kind with foam filled.

Will this still work ?

Hal W4Hal

19858. Re: [ham-antennas] Slim Jim Twin Lead

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 22:32:10 UTC
From: Ron Youvan
Topic: 19857 Message: 19858

Hal W4Hal tivoligardens@... wrote:

> I am attempting to make my first antenna. I purchased the twin lead from Radio Shack but all they
> had was the kind with foam filled.

> Will this still work ?

Any kind will work, but you need to dig out the foam everywhere you cut it and put a daub of
silicone sealer in there to prevent it from filling with water, or melt the end over and bend it so
the opening is facing down. Walmart, Home Depot and others use to sell the flat cheap stuff.
--
Ron KA4INM - Ifen my mother in law were to boil water
it would taste funny ... Earl Pitts 9-1-11

19859. Re: Slim Jim Twin Lead

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-20 23:05:38 UTC
From: tivoligardens@yahoo.com
Topic: 19857 Message: 19859

I got the stuff that is totaly flat. should I get the kid that has the 2 ridges with the flat in the middle ?

Hal

--- In ham-antennas@...m, Ron Youvan <ka4inm@...> wrote:
>
> Hal W4Hal tivoligardens@... wrote:
>
> > I am attempting to make my first antenna. I purchased the twin lead from Radio Shack but all they
> > had was the kind with foam filled.
>
> > Will this still work ?
>
> Any kind will work, but you need to dig out the foam everywhere you cut it and put a daub of
> silicone sealer in there to prevent it from filling with water, or melt the end over and bend it so
> the opening is facing down. Walmart, Home Depot and others use to sell the flat cheap stuff.
> --
> Ron KA4INM - Ifen my mother in law were to boil water
> it would taste funny ... Earl Pitts 9-1-11
>

19860. Re: [ham-antennas] Re: Slim Jim Twin Lead

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 00:00:16 UTC
From: Ron Youvan
Topic: 19857 Message: 19860

Hal W4Hal tivoligardens@... wrote:

> I got the stuff that is totally flat.

That is perfect.
--
Ron KA4INM - Bizarreness is the essence of the exotic

19861. RE: [ham-antennas] Slim Jim Twin Lead

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 01:01:50 UTC
From: Richard Schmuke
Topic: 19857 Message: 19861

It sure will, I have even made slimjims with 22ga wire ti-wraped on a strip of wooden molding.

Rich , kd0zz

Subject: [ham-antennas] Slim Jim Twin Lead

I am attempting to make my first antenna. I purchased the twin lead from Radio Shack but all they had was the kind with foam filled.

Will this still work ?

Hal W4Hal

[Non-text portions of this message have been removed]

19862. Re: Folded Doublet Using Zip Cord?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 04:07:52 UTC
From: Bill Ecton
Topic: 19844 Message: 19862

I built the rxo vertical ocf doublet and yes it is quiet, but it is quiet because it attenuates the signals. I compared it side-by-side with another vertical and the vertical OCF doublet attenuated the signals by at least 3 S-units from the other vertical (sometimes more). A friend of mine built one as well with the same results. It does load up great on 40 thru 10 meters, but it just doesn't have the "ears" it should. Note that even though the signals were attenuated - if I could hear them I could work them, but there were several weak signals I could hear with my other vertical, but not the rxo. Can anyone explain why for me? Bill, AD0CW

[Non-text portions of this message have been removed]

19863. Re: Recommended All-band antennas for backpacking?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 06:33:13 UTC
From: Dave
Topic: 19828 Message: 19863

Hi Jerry,

you mention that you want an all-band antenna including 160m, that you will be runnning QRP and that you wanted something portable. Here in the UK this is a very popular QRP antenna configuration. The point of maximum current is high up in the antenna and therefore it radiates effectively.

Personally I would use this antenna with a 4:1 balun with 85 feet of wire and the 17 feet counterpoise connected all the time on all bands but you could also try to connect dirrect to your ATU as well. An antenna on 160 metres will be very long and heavy but I found this antenna radiated well on top band all around the UK with an FT817 and I wAs using a ZM4 balanced antenna tuner. For simplicity and effectiveness I found it excellent and only found a doublet that equalled it but which was too big and too heavy for 160m and less easy to erect.

Dave
G6EGM

--- In ham-antennas@yahoogroups.com, "Jeri" <jeri_hara@...> wrote:
>
> Dave,
>
> From what I found, it looks like am 80M-ish end-fed antenna. I would have to experiment with it to make it cover 160M too. And the descriptions say you need several different counterpoises, different for each band.
>
> Overall, it looks like it is a good restricted-length antenna. But out in the woods, there are no such length restrictions, as long as I can get the ends up into a set of trees far enough apart. And in the Angeles Forest, the problem may be trying to find an area where I don't have to thread the antenna through other trees.
>
> Jerry
>
> --- In ham-antennas@yahoogroups.com, "Dave" <dpatrick_1@> wrote:
> >
> > The only Antenna I can think of that might do the job is a W3EDP, I have tried this in practice and it definite does work. whether there is something better or more effective I do not know but would be interested to find out.
> >
> > Dave
> > G6EGM
> >
> > --- In ham-antennas@...m, "Jeri" <jeri_hara@> wrote:
> > >
> > > I have an FT-817 5-watt rig and an LDG Z817 tuner. I live in Los Angeles, only an hour away from the Angeles National Forest (with lots of trees and deep ravines I can use

to string an antenna to/over).
> > >
> > > I'm looking for a good antenna design that will cover every one of the US Ham Bands, 160 through 10 (with the use of the tuner, of course), and will be portable enough for backpacking. I am especially looking for a single antenna, one which will cover all the bands, without my needing to take it down and change it/tune it for each band.
> > >
> > > My first idea would be a random-length wire Dipole/Doublet, about 260 feet or so of 20awg to 26awg wire, supported from the trees or across the ravines with some thin cord or Dacron fishing line. I would feed it with parallel line, probably 300 ohm twinlead, just long enough to go from the middle of the antenna to the tuner, with a homemade balun as needed at the tuner end.
> > >
> > > I know there is someone out there who has already designed and is using this type of all-band antenna. So, what has your experience been? What length did you use to get all bands, and what balun ratio?
> > >
> > > That would be just about the simplest antenna, and probably the lightest antenna, I could think of. And it would have good gain (but poor antenna patterns) on all bands, if I can get it down to about 6:1 SWR on all the bands that is, so the tuner could take it from there.
> > >
> > > If another type of antenna would be better and handle all the bands, I would be interested in that one too.
> > >
> > > I haven't really seen any direct discussion on an all-band antenna on the Internet (I searched). Usually, the discussion is about an antenna that has a low SWR on "all" bands, but skips certain bands because the SWR isn't low enough there (like a G5RV), or talks in general terms about the theory of an antenna, but gives no practical experience.
> > >
> > > Any ideas? Has anyone out there put together an antenna that covers all bands, and is light enough to carry around all day?
> > >
> > > Jerry
> > >
> > > K6ANI
> > >
> >
>

19864. My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 11:38:45 UTC
From: james_nf8i
Topic: 19864 Message: 19864

Hi all,

I'm planning to get my first HF rig, but I don't want to buy any equipment until I solve my antenna dilemma. Like many in this group, HOA restrictions constrain me to only using indoor antennas.

I'm currently considering the AlphaDelta DX-EE or the Cobra UltraLite Kid for installation in my attic. My attic is only 30 feet long, though, and each of these antennas is about 40 feet. My attic is not high enough to run these as an inverted-V. My thought is that I could run the ends straight down from the roofline, which they should have the space to do without any additional folding.

My preference would be to feed the antenna with coax so I can run it through the walls from the attic to my shack, which is about a 50 foot run.

Some questions:

Is this a reasonable plan?
Should I put an antenna tuner at the feed point or in my shack?
What sort of directionality should I expect? (Putting a rotor on the house has been nixed by my XYL.)
Is there a better solution? (I have also considered magnetic loop antennas.)

I want to be able to work 40m, 20m, and 10m, with bands in between as a bonus, if possible.

Thanks, and 73 de NF8I,

~James

19865. Re: [ham-antennas] Re: Folded Doublet Using Zip Cord?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 12:06:32 UTC
From: Ron Youvan
Topic: 19844 Message: 19865

Bill Ecton wrote:

> I built the rxo vertical ocf doublet and yes it is quiet, but it is quiet because it attenuates the
> signals. I compared it side-by-side with another vertical and the vertical OCF doublet attenuated
> the signals by at least 3 S-units from the other vertical (sometimes more). A friend of mine built
> one as well with the same results. It does load up great on 40 thru 10 meters, but it just doesn't
> have the "ears" it should. Note that even though the signals were attenuated - if I could hear them
> I could work them, but there were several weak signals I could hear with my other vertical, but not
> the rxo. Can anyone explain why for me? Bill, AD0CW

My educated guess is you can't beat a self resonant antenna.
--
Ron KA4INM - Bizarreness is the essence of the exotic

19866. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 12:07:53 UTC
From: Frank Kirschner
Topic: 19864 Message: 19866

James,

Yes, it's a reasonable plan. I had a fan dipole in my attic which worked out OK. It had elements for 40/15, 30, and 20. (No coils or traps like the antennas you are considering.) The ends of the 40 meter elements were folded sideways, making a "Z" as seen from above. I didn't have the height to let them go straight down. I worked Australia and New Zealand, as well as lots of European DX and got my WAS using that antenna, so an attic antenna can work.

The SWR is fairly high on 40 meters on the antennas you mentioned, so you'll encounter less coax loss with the tuner close to the antenna. You'll probably get a little less RF in the shack, too. Be prepared to put a counterpoise on the rig for each band you want to work. Also note that your signal will get into the AC, cable TV wiring, and anything else that runs in the attic, unless you're running QRP.

A dipole is supposed to be slightly directional broadside to the antenna, but it is affected by the proximity of other conductors, so it's difficult to predict. See if you can get the XYL to reconsider putting a rotor on the house. Tell her how much she'll enjoy the constantly changing view from each window.

I also tried an MFJ apartment antenna mounted outside a window. It worked, but the attic dipole was as good or better, and didn't require setting up and taking down each time.

I also considered the magnetic loop antenna. I've never seen a comparison between an indoor dipole and an indoor magnetic loop, but I'm told that a full-sized dipole outside beats the magnetic loop outside every time. If you put up both, I'd be very interested in the results.

Other things to consider: hide a radial system in the grass and sneak a screwdriver antenna out after dark. I did this, and worked 24 states in about an hour on 160 CW (during a contest). If basketball backstops or patio umbrellas are allowed, you can fabricate one from plastic and hide the screwdriver antenna in one of those. You could also load up the rain gutters, but that takes considerable work to make happen. (You have to bond all the sections together, install a radial or counterpoise system, and make sure to isolate the active section from any sections that are within reach of people on the ground.)

Good luck, and good DX!

73,
Frank
KF6E

On Wed, Sep 21, 2011 at 7:38 AM, james_nf8i <nf8i@...> wrote:

> **
>
>
> Hi all,
>
> I'm planning to get my first HF rig, but I don't want to buy any equipment
> until I solve my antenna dilemma. Like many in this group, HOA restrictions
> constrain me to only using indoor antennas.
>
> I'm currently considering the AlphaDelta DX-EE or the Cobra UltraLite Kid
> for installation in my attic. My attic is only 30 feet long, though, and
> each of these antennas is about 40 feet. My attic is not high enough to run
> these as an inverted-V. My thought is that I could run the ends straight
> down from the roofline, which they should have the space to do without any
> additional folding.
>
> My preference would be to feed the antenna with coax so I can run it
> through the walls from the attic to my shack, which is about a 50 foot run.
>
> Some questions:
>
> Is this a reasonable plan?
> Should I put an antenna tuner at the feed point or in my shack?
> What sort of directionality should I expect? (Putting a rotor on the house
> has been nixed by my XYL.)
> Is there a better solution? (I have also considered magnetic loop
> antennas.)
>
> I want to be able to work 40m, 20m, and 10m, with bands in between as a
> bonus, if possible.
>
> Thanks, and 73 de NF8I,
>
> ~James
>

[Non-text portions of this message have been removed]

19867. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 12:22:04 UTC
From: Ron Youvan
Topic: 19864 Message: 19867

James NF8I wrote:

> I'm planning to get my first HF rig, but I don't want to buy any equipment until I solve my antenna
> dilemma. Like many in this group, HOA restrictions constrain me to only using indoor antennas.

That is only one interpretation. Thinking the restrictions prevent you from using an outside
antenna is a restriction in your mind only. You are not allowed to have anything on your property
that looks like an antenna. Thousands of HAMs have outside antennas that do not look like antennas
now. They use as many tricks as there are HAMs doing it.

flagpole
light poles
Bird feeder
arbor
under the eves
30 gauge dipoles
pole surrounded by a round flower garden, pole supporting hanging baskets (on nylon cordage)
with plants in them
HAM-stick on the back bumper of a car parked in the driveway with the coax coming under the car and
garage door into the shack

Antennas in attics if there is any kind of air-conditioning ducts or wiring are very troublesome.
--
Ron KA4INM - Bizarreness is the essence of the exotic

19868. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 13:33:33 UTC
From: Frank Kirschner
Topic: 19864 Message: 19868

Hams are too small a minority to get these rules overturned, but as you point out, there are ways around them. My HOA wouldn't allow flagpoles, but would allow basketball backstops and bird feeders.

If you do the mobile antenna-to-fixed-rig connection, don't forget to disconnect the coax before you drive away the next morning. That's the hard way to go mobile.

And you're right about the metal in that attic wreaking havoc with the attic dipole operation. I probably put more than half my power into the air conditioning ducts, cable TV wiring, and AC power cables. Nonetheless, on the bands on which it loaded up, the attic dipole generally outperformed the screwdriver antenna in the back yard. I had 25 radials laid out in the yard, and hid the coax and DC control cable in the grass. On receive and transmit, the dipole usually did better.

73,
Frank
KF6E

On Wed, Sep 21, 2011 at 8:22 AM, Ron Youvan <ka4inm@...> wrote:

> **
>
>
> James NF8I wrote:
>
>
>
> flagpole
> light poles
> Bird feeder
> arbor
> under the eves
> 30 gauge dipoles
> pole surrounded by a round flower garden, pole supporting hanging baskets
> (on nylon cordage)
> with plants in them
> HAM-stick on the back bumper of a car parked in the driveway with the coax
> coming under the car and
> garage door into the shack
>
> Antennas in attics if there is any kind of air-conditioning ducts or wiring
> are very troublesome.
> --
> Ron KA4INM - Bizarreness is the essence of the exotic
>

> __._
>

[Non-text portions of this message have been removed]

19869. RE: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 13:50:11 UTC
From: Richard Schmuke
Topic: 19864 Message: 19869

I would say don’t do it. Put up a 20M dipole, if you have to bend the end a little it will still work. After some exciting European contacts add a 15 and 10m element. Homemade is always better, cheaper and feels better.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

Subject: [ham-antennas] My First HF Antenna

Hi all,

I'm planning to get my first HF rig, but I don't want to buy any equipment until I solve my antenna dilemma. Like many in this group, HOA restrictions constrain me to only using indoor antennas.

I'm currently considering the AlphaDelta DX-EE or the Cobra UltraLite Kid for installation in my attic. My attic is only 30 feet long, though, and each of these antennas is about 40 feet. My attic is not high enough to run these as an inverted-V. My thought is that I could run the ends straight down from the roofline, which they should have the space to do without any additional folding.

My preference would be to feed the antenna with coax so I can run it through the walls from the attic to my shack, which is about a 50 foot run.

Some questions:

Is this a reasonable plan?
Should I put an antenna tuner at the feed point or in my shack?
What sort of directionality should I expect? (Putting a rotor on the house has been nixed by my XYL.)
Is there a better solution? (I have also considered magnetic loop antennas.)

I want to be able to work 40m, 20m, and 10m, with bands in between as a bonus, if possible.

Thanks, and 73 de NF8I,

~James

[Non-text portions of this message have been removed]

19870. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 15:49:48 UTC
From: dean
Topic: 19864 Message: 19870

Hi James,

I helped put up a 40 meter loop in a dudes back yard in Stockton, CA. He uses a 1.5 KW Tube Amp and he loves it. The wire goes thru his trees but after we put it up nobody could see the antenna. I think the antenna is about 15’ or so in the backyard and higher at the house.

73, WY6L

From: james_nf8i
Sent: Wednesday, September 21, 2011 4:38 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] My First HF Antenna

Hi all,

I'm planning to get my first HF rig, but I don't want to buy any equipment until I solve my antenna dilemma. Like many in this group, HOA restrictions constrain me to only using indoor antennas.

I'm currently considering the AlphaDelta DX-EE or the Cobra UltraLite Kid for installation in my attic. My attic is only 30 feet long, though, and each of these antennas is about 40 feet. My attic is not high enough to run these as an inverted-V. My thought is that I could run the ends straight down from the roofline, which they should have the space to do without any additional folding.

My preference would be to feed the antenna with coax so I can run it through the walls from the attic to my shack, which is about a 50 foot run.

Some questions:

Is this a reasonable plan?
Should I put an antenna tuner at the feed point or in my shack?
What sort of directionality should I expect? (Putting a rotor on the house has been nixed by my XYL.)
Is there a better solution? (I have also considered magnetic loop antennas.)

I want to be able to work 40m, 20m, and 10m, with bands in between as a bonus, if possible.

Thanks, and 73 de NF8I,

~James

[Non-text portions of this message have been removed]

19871. Re: Folded Doublet Using Zip Cord?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 20:03:29 UTC
From: kd0ca
Topic: 19844 Message: 19871

--- In ham-antennas@yahoogroups.com, Bill Ecton <ad0cw@...> wrote:
>
> I built the rxo vertical ocf doublet and yes it is quiet, but it is quiet because it attenuates the signals...

Thanks for the actual usage report, Bill, and thanks, also to Ron KA4INM, for valuable input.

I wrote an email to Roger, G3RXO to ask him about the idea. He cautioned agains lamp cord (zip cord) as leakage across closely spaced conductors at high voltage points can be significant in wet weather. Using the zip cord would be asking for trouble in my estimation, then. Using wider spaced conductors like 450 Ohm line would be a wiser choice.

Since the antenna is purposely Non-Resonant on the ham bands until one tunes it via an ATU and zepp feeders, inefficiency is the probable cause of the weak received signals. With a tuned feeder, we can match almost any metal object, but that in itself does not mean it will be a "GOOD" antenna, Hi.

By the way, just because an antenna is non-resonant on any amateur band does not necessarily mean that the antenna system is always "bad" either. I use an Inverted L wire 81 feet long, vertical leg is 20 feet, and I'm amazed at some of the great reports I consistently get both with QRP and 100 W rigs! I also have a 19 foot tall vertical with just 1 wire radial which I feed with 300 Ohm ladder line. I've had great success with it, although I need to take it apart sand clean the joints so it will work better. On some signals, the Vert is WAY better on 20 Meters, but on others the INV L is better. Often digital signals are not visible on the waterfall with the Vert, but are really cleanly visible on the L.

Maybe the Vertical Folded OCFD is not a great idea for me right now. Great to hear others' experience whether positive of negative.

73 y'all,

Jerry L. Bartachek Sr. KDØCA

19872. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 22:34:03 UTC
From: Ron Youvan
Topic: 19864 Message: 19872

Frank KF6E Kirschner wrote:

> Hams are too small a minority to get these rules overturned, but as you
> point out, there are ways around them. My HOA wouldn't allow flagpoles, but
> would allow basketball backstops and bird feeders.

These "deed restrictions" can not be overturned, they are "covenants"
to the deed, a freely signed* contract between the buyer and the H.O. association,
they are a legal civil contract.

> If you do the mobile antenna-to-fixed-rig connection, don't forget to
> disconnect the coax before you drive away the next morning. That's the hard
> way to go mobile.

You can get a special PL-259 that pushes on and pulls off, I have one, try a CB shop after looking at your next HAM-fest. Be sure the antenna's connector is facing the building.

* but none the less required before you can purchase the property.
--
Ron KA4INM - Bizarreness is the essence of the exotic

19873. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-21 22:48:40 UTC
From: Adrian Flynn
Topic: 19864 Message: 19873

That is what "Push On PL-259's" were made for.
Along with a good screed door spring and light tension it will pull free if
you forget or the "XYL" borrows the car.
73
Adrian KF7DYU

If you do the mobile antenna-to-fixed-rig connection, don't forget to
disconnect the coax before you drive away the next morning. That's the hard
way to go mobile.

73,
Frank
KF6E

On Wed, Sep 21, 2011 at 8:22 AM, Ron Youvan <ka4inm@...> wrote:

> **

>
> >
> >
> > James NF8I wrote:
> >
> >
> > flagpole
> > light poles
> > Bird feeder
> > arbor
> > under the eves
> > 30 gauge dipoles
> > pole surrounded by a round flower garden, pole supporting hanging baskets
> > (on nylon cordage)
> > with plants in them
> > HAM-stick on the back bumper of a car parked in the driveway with the
> coax
> > coming under the car and
> > garage door into the shack
> >
> > Antennas in attics if there is any kind of air-conditioning ducts or
> wiring
> > are very troublesome.
> > --
> > Ron KA4INM - Bizarreness is the essence of the exotic
> >
> > __._
> >

>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

19874. Re: My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 03:03:40 UTC
From: james_nf8i
Topic: 19864 Message: 19874

I rather ike the idea of, say, a loop around the house under the eaves or gutters. I'm a bit worried about the interaction with the aluminum siding though.

I'm not terribly handy, so I'd need to overcome both my poor grasp on antenna theory and my general clumsiness when working with my hands.

I just got a copy of RSGB's Stealth Antennas book, so I may have to revisit the question after reading that.

(Of course, I could better fit in with my neighbors by putting a dummy satellite dish on the roof and draping coax all over the house.)

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> James NF8I wrote:
>
> > I'm planning to get my first HF rig, but I don't want to buy any equipment until I solve my antenna
> > dilemma. Like many in this group, HOA restrictions constrain me to only using indoor antennas.
>
> That is only one interpretation. Thinking the restrictions prevent you from using an outside
> antenna is a restriction in your mind only. You are not allowed to have anything on your property
> that looks like an antenna. Thousands of HAMs have outside antennas that do not look like antennas
> now. They use as many tricks as there are HAMs doing it.
>
> flagpole
> light poles
> Bird feeder
> arbor
> under the eves
> 30 gauge dipoles
> pole surrounded by a round flower garden, pole supporting hanging baskets (on nylon cordage)
> with plants in them
> HAM-stick on the back bumper of a car parked in the driveway with the coax coming under the car and
> garage door into the shack
>
> Antennas in attics if there is any kind of air-conditioning ducts or wiring are very troublesome.
> --
> Ron KA4INM - Bizarreness is the essence of the exotic

>

19875. AW: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 06:05:13 UTC
From: Siegfried Jackstien
Topic: 19864 Message: 19875

No push on used ... xyl borrows car .... trx jumps from desk and is flying
out of the window ...

Oh what a mess!!

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Adrian Flynn
> Gesendet: Mittwoch, 21. September 2011 22:49
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] My First HF Antenna
>
> That is what "Push On PL-259's" were made for.
> Along with a good screed door spring and light tension it will pull free
> if
> you forget or the "XYL" borrows the car.
> 73
> Adrian KF7DYU
>
>
> If you do the mobile antenna-to-fixed-rig connection, don't forget to
> disconnect the coax before you drive away the next morning. That's the
> hard
> way to go mobile.
>
> 73,
> Frank
> KF6E
>
> On Wed, Sep 21, 2011 at 8:22 AM, Ron Youvan <ka4inm@...>
> wrote:
>
> > **
>
> >
> > > >
> > > >
> > > James NF8I wrote:
> > >
> > >
> > > flagpole
> > > light poles
> > > Bird feeder

> > > arbor
> > > under the eves
> > > 30 gauge dipoles
> > > pole surrounded by a round flower garden, pole supporting hanging
> baskets
> > > (on nylon cordage)
> > > with plants in them
> > > HAM-stick on the back bumper of a car parked in the driveway with the
> > coax
> > > coming under the car and
> > > garage door into the shack
> > >
> > > Antennas in attics if there is any kind of air-conditioning ducts or
> > wiring
> > > are very troublesome.
> > > --
> > > Ron KA4INM - Bizarreness is the essence of the exotic
> > >
> > > __._
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19876. Re: AW: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 12:28:38 UTC
From: dean
Topic: 19864 Message: 19876

I’m getting heart palpations just thinking about that.

73, WY6L

From: Siegfried Jackstien
Sent: Wednesday, September 21, 2011 11:05 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] My First HF Antenna

No push on used ... xyl borrows car .... trx jumps from desk and is flying
out of the window ...

Oh what a mess!!

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Adrian Flynn
> Gesendet: Mittwoch, 21. September 2011 22:49
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: [ham-antennas] My First HF Antenna
>
> That is what "Push On PL-259's" were made for.
> Along with a good screed door spring and light tension it will pull free
> if
> you forget or the "XYL" borrows the car.
> 73
> Adrian KF7DYU
>
>
> If you do the mobile antenna-to-fixed-rig connection, don't forget to
> disconnect the coax before you drive away the next morning. That's the
> hard
> way to go mobile.
>
> 73,
> Frank
> KF6E
>
> On Wed, Sep 21, 2011 at 8:22 AM, Ron Youvan <mailto:ka4inm%40tampabay.rr.com>
> wrote:
>
> > **

>
> >
> > >
> > >
> > > James NF8I wrote:
> > >
> > >
> > > flagpole
> > > light poles
> > > Bird feeder
> > > arbor
> > > under the eves
> > > 30 gauge dipoles
> > > pole surrounded by a round flower garden, pole supporting hanging
> baskets
> > > (on nylon cordage)
> > > with plants in them
> > > HAM-stick on the back bumper of a car parked in the driveway with the
> > coax
> > > coming under the car and
> > > garage door into the shack
> > >
> > > Antennas in attics if there is any kind of air-conditioning ducts or
> > wiring
> > > are very troublesome.
> > > --
> > > Ron KA4INM - Bizarreness is the essence of the exotic
> > >
> > > __._
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: mailto:ham-antennas%40yahoogroups.com
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com

> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

19877. Re: AW: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 12:35:44 UTC
From: Dan Schaaf
Topic: 19864 Message: 19877

what a visualization !!!

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 22, 2011 8:28 AM
Subject: Re: AW: [ham-antennas] My First HF Antenna

I’m getting heart palpations just thinking about that.

73, WY6L

From: Siegfried Jackstien
Sent: Wednesday, September 21, 2011 11:05 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] My First HF Antenna

No push on used ... xyl borrows car .... trx jumps from desk and is flying
out of the window ...

Oh what a mess!!

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Adrian Flynn
> Gesendet: Mittwoch, 21. September 2011 22:49
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: [ham-antennas] My First HF Antenna
>
> That is what "Push On PL-259's" were made for.
> Along with a good screed door spring and light tension it will pull free
> if
> you forget or the "XYL" borrows the car.
> 73
> Adrian KF7DYU

>
>
> If you do the mobile antenna-to-fixed-rig connection, don't forget to
> disconnect the coax before you drive away the next morning. That's the
> hard
> way to go mobile.
>
> 73,
> Frank
> KF6E
>
> On Wed, Sep 21, 2011 at 8:22 AM, Ron Youvan <mailto:ka4inm%40tampabay.rr.com>
> wrote:
>
> > **
>
> >
> > >
> > >
> > > James NF8I wrote:
> > >
> > >
> > > flagpole
> > > light poles
> > > Bird feeder
> > > arbor
> > > under the eves
> > > 30 gauge dipoles
> > > pole surrounded by a round flower garden, pole supporting hanging
> baskets
> > > (on nylon cordage)
> > > with plants in them
> > > HAM-stick on the back bumper of a car parked in the driveway with the
> > coax
> > > coming under the car and
> > > garage door into the shack
> > >
> > > Antennas in attics if there is any kind of air-conditioning ducts or
> > wiring
> > > are very troublesome.
> > > --
> > > Ron KA4INM - Bizarreness is the essence of the exotic
> > >
> > > __._
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >

>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: mailto:ham-antennas%40yahoogroups.com
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19878. Re: AW: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 14:45:36 UTC
From: Joe
Topic: 19864 Message: 19878

Sig I have a better scenario:

No push on used ... xyl borrows car .... trx jumps from desk and is flying out of the window ... Rig is destroyed.... xyl has to buy you a new one... you say the only equivalent that is made now is a K2....

Sounds good to me.... I'll be back later after I hook up to the car.

73

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/22/2011 1:05 AM, Siegfried Jackstien wrote:
> No push on used ... xyl borrows car .... trx jumps from desk and is flying
> out of the window ...
>
> Oh what a mess!!
>
> Dg9bfc
> Sigi
>
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Adrian Flynn
>> Gesendet: Mittwoch, 21. September 2011 22:49
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: [ham-antennas] My First HF Antenna
>>
>> That is what "Push On PL-259's" were made for.
>> Along with a good screed door spring and light tension it will pull free
>> if
>> you forget or the "XYL" borrows the car.
>> 73
>> Adrian KF7DYU
>>
>>
>> If you do the mobile antenna-to-fixed-rig connection, don't forget to
>> disconnect the coax before you drive away the next morning. That's the
>> hard
>> way to go mobile.

>>
>> 73,
>> Frank
>> KF6E
>>
>> On Wed, Sep 21, 2011 at 8:22 AM, Ron Youvan<ka4inm@...>
>> wrote:
>>
>>> **
>>>>
>>>> James NF8I wrote:
>>>>
>>>>
>>>> flagpole
>>>> light poles
>>>> Bird feeder
>>>> arbor
>>>> under the eves
>>>> 30 gauge dipoles
>>>> pole surrounded by a round flower garden, pole supporting hanging
>> baskets
>>>> (on nylon cordage)
>>>> with plants in them
>>>> HAM-stick on the back bumper of a car parked in the driveway with the
>>> coax
>>>> coming under the car and
>>>> garage door into the shack
>>>>
>>>> Antennas in attics if there is any kind of air-conditioning ducts or
>>> wiring
>>>> are very troublesome.
>>>> --
>>>> Ron KA4INM - Bizarreness is the essence of the exotic
>>>>
>>>> __._
>>>>
>>> [Non-text portions of this message have been removed]
>>>
>>>
>>>
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be

>> cause for suspension. Moderators WILL have final say in these matters.
>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@...m
>> Yahoo! Groups Links
>>
>>
>>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19879. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 14:56:19 UTC
From: Timothy-Allen Albertson
Topic: 19864 Message: 19879

the 6-Lander should check about flagpoles CCRs can be voided and one
way is if the legislature does it and back in 01, after 9/11, 6-Land
legislature passed a law, signed byh Governor Gray, which prohibited
enforcing CCRs that prohinbiting flying a flag

On Wed, Sep 21, 2011 at 5:34 PM, Ron Youvan <ka4inm@...> wrote:

> **
>
>
> Frank KF6E Kirschner wrote:
>
> > Hams are too small a minority to get these rules overturned, but as you
> > point out, there are ways around them. My HOA wouldn't allow flagpoles,
> but
> > would allow basketball backstops and bird feeders.
>
> These "deed restrictions" can not be overturned, they are "covenants"
> to the deed, a freely signed* contract between the buyer and the H.O.
> association,
> they are a legal civil contract.
>
>
> > If you do the mobile antenna-to-fixed-rig connection, don't forget to
> > disconnect the coax before you drive away the next morning. That's the
> hard
> > way to go mobile.
>
> You can get a special PL-259 that pushes on and pulls off, I have one, try
> a CB shop after
> looking at your next HAM-fest. Be sure the antenna's connector is facing
> the building.
>
> * but none the less required before you can purchase the property.
> --
> Ron KA4INM - Bizarreness is the essence of the exotic
>
>

--
73 DE TIM KD∅OIA

[Non-text portions of this message have been removed]

19880. Re: My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 15:03:17 UTC
From: AB2ZY
Topic: 19864 Message: 19880

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
> These "deed restrictions" can not be overturned, they are "covenants"
> to the deed, a freely signed* contract between the buyer and the H.O. association,
> they are a legal civil contract.

Actually, it depends.

In my part of the country (upstate NY), deed covenants are common but HOAs are not.

I once bought a house that has been built just after WWII. The deed forbade selling the house to non-caucasians and required servants to be let in only by a side entrance. Servants for the owners of a 1200 square foot 2 bedroom Cape Cod. Indeed. At any rate, those covenants had been unenforceable by law for at least 25 years prior to my purchase. But they were there in the deed nevertheless.

Another house had the usual restrictions: no outdoor clotheslines, no parking in the driveway overnight, etc. My attorney pointed out at the closing that enforcement was left to the original developer who no longer owned any land in the development and thus, under NYS law, had no standing to enforce the covenants. Effectively, no covenants.

Al
AB2ZY

19881. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 15:21:33 UTC
From: Frank Kirschner
Topic: 19864 Message: 19881

In my area, they got around this by allowing flag poles attached to the house not exceeding three feet in length. I could have put a little antenna in that, but there were better solutions.

Good idea, though.

73,
Frank
KF6E

On Thu, Sep 22, 2011 at 10:56 AM, Timothy-Allen Albertson <kd0oia@...>wrote:

> **
>
>
> the 6-Lander should check about flagpoles CCRs can be voided and one
> way is if the legislature does it and back in 01, after 9/11, 6-Land
> legislature passed a law, signed byh Governor Gray, which prohibited
> enforcing CCRs that prohinbiting flying a flag
>
>

[Non-text portions of this message have been removed]

19882. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 15:26:47 UTC
From: Ron Youvan
Topic: 19864 Message: 19882

Timothy-Allen Albertson wrote:

> the 6-Lander should check about flagpoles CCRs can be voided and one
> way is if the legislature does it and back in 01, after 9/11, 6-Land
> legislature passed a law, signed by Governor Gray, which prohibited
> enforcing CCRs that prohibiting flying a flag

We will be watching to see what the supreme court says about this one.
--
Ron KA4INM - Bizarreness is the essence of the exotic

19883. Re: AW: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 15:35:25 UTC
From: van wd8aam
Topic: 19864 Message: 19883

Even Better: Sudden and Accidental qualifies it under most
homeowners insurance as accident to personal property.

Wife says: Talk to our insurance company, it wasn't MY fault.....<heh,heh>
Been there, done that..... (and yes, I now have slip-on coax connectors!)
This is about as 'sudden and accidental' as it gets!
van wd8aam

At 14:45 9/22/2011, you wrote:
>Sig I have a better scenario:
>No push on used ... xyl borrows car .... trx jumps from desk and is
>flying out of the window ... Rig is destroyed.... xyl has to buy you
>a new one... you say the only equivalent that is made now is a K2....
>
>Sounds good to me.... I'll be back later after I hook up to the car.
>73
>Joe WB9SBD
>
>On 9/22/2011 1:05 AM, Siegfried Jackstien wrote:
> > No push on used ... xyl borrows car .... trx jumps from desk and is flying
> > out of the window ...
> >
> > Oh what a mess!!
> >
> > Dg9bfc
> > Sigi
> >
> >> An: <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
> >> Betreff: Re: [ham-antennas] My First HF Antenna
> >>
> >> That is what "Push On PL-259's" were made for.
> >> Along with a good screed door spring and light tension it will pull free
> >> if
> >> you forget or the "XYL" borrows the car.
> >> 73
> >> Adrian KF7DYU
> >>
> >> If you do the mobile antenna-to-fixed-rig connection, don't forget to
> >> disconnect the coax before you drive away the next morning. That's the
> >> hard
> >> way to go mobile.
> >>
> >> 73,
> >> Frank
> >> KF6E

> >>
> >> On Wed, Sep 21, 2011 at 8:22 AM, Ron
> Youvan<<mailto:ka4inm%40tampabay.rr.com>ka4inm@...>
> >> wrote:
> >>
> >>> **
> >>>>
> >>>> James NF8I wrote:
> >>>>
> >>>>
> >>>> flagpole
> >>>> light poles
> >>>> Bird feeder
> >>>> arbor
> >>>> under the eves
> >>>> 30 gauge dipoles
> >>>> pole surrounded by a round flower garden, pole supporting hanging
> >> baskets
> >>>> (on nylon cordage)
> >>>> with plants in them
> >>>> HAM-stick on the back bumper of a car parked in the driveway with the
> >>> coax
> >>>> coming under the car and
> >>>> garage door into the shack
> >>>> --
> >>>> Ron KA4INM - Bizarreness is the essence of the exotic
> >>>>
> >>>> __._

[Non-text portions of this message have been removed]

19884. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 17:34:56 UTC
From: fred
Topic: 19864 Message: 19884

next car you get make sure it is one of the keyless ones with a push to start/stop button and keep the little transmitter that tells it you are the owner in your pocket . xyl borrows car and finds it will not start .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> Iâ☐☐m getting heart palpations just thinking about that.
>
> 73, WY6L
>
> From: Siegfried Jackstien
> Sent: Wednesday, September 21, 2011 11:05 PM
> To: ham-antennas@yahoogroups.com
> Subject: AW: [ham-antennas] My First HF Antenna
>
>
> No push on used ... xyl borrows car .... trx jumps from desk and is flying
> out of the window ...
>
> Oh what a mess!!
>
> Dg9bfc
> Sigi
>
> > -----UrsprÃ¼ngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] Im
> > Auftrag von Adrian Flynn
> > Gesendet: Mittwoch, 21. September 2011 22:49
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: [ham-antennas] My First HF Antenna
> >
> > That is what "Push On PL-259's" were made for.
> > Along with a good screed door spring and light tension it will pull free
> > if
> > you forget or the "XYL" borrows the car.
> > 73
> > Adrian KF7DYU
> >
> >
> > If you do the mobile antenna-to-fixed-rig connection, don't forget to
> > disconnect the coax before you drive away the next morning. That's the
> > hard

> > way to go mobile.
> >
> > 73,
> > Frank
> > KF6E
> >
> > On Wed, Sep 21, 2011 at 8:22 AM, Ron Youvan <mailto:ka4inm%40tampabay.rr.com>
> > wrote:
> >
> > > **
> >
> > >
> > > >
> > > >
> > > > James NF8I wrote:
> > > >
> > > >
> > > > flagpole
> > > > light poles
> > > > Bird feeder
> > > > arbor
> > > > under the eves
> > > > 30 gauge dipoles
> > > > pole surrounded by a round flower garden, pole supporting hanging
> > baskets
> > > > (on nylon cordage)
> > > > with plants in them
> > > > HAM-stick on the back bumper of a car parked in the driveway with the
> > > coax
> > > > coming under the car and
> > > > garage door into the shack
> > > >
> > > > Antennas in attics if there is any kind of air-conditioning ducts or
> > > wiring
> > > > are very troublesome.
> > > > --
> > > > Ron KA4INM - Bizarreness is the essence of the exotic
> > > >
> > > > __._
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >

> >
> >
> > ----------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: mailto:ham-antennas%40yahoogroups.com
> > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19885. Re: AW: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 18:33:50 UTC
From: DVC3565@aol.com
Topic: 19864 Message: 19885

.... xyl has to buy you a new one...

Joe: And HOW long have you been married? After TWO ex-xyl's, I know it's
the OM
that buys the new rig...IF the XYL let's you have the checkbook..or one of
YOUR
Credit Cards.
My 2 cents worth!
73,
Dave-KJ4PF

In a message dated 9/22/2011 10:45:50 A.M. Eastern Daylight Time,
nss@... writes:

Sig I have a better scenario:

No push on used ... xyl borrows car .... trx jumps from desk and is flying
out of the window ... Rig is destroyed.... xyl has to buy you a new one...
you say the only equivalent that is made now is a K2....

Sounds good to me.... I'll be back later after I hook up to the car.

73

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com (http://www.idle-tyme.com/)

On 9/22/2011 1:05 AM, Siegfried Jackstien wrote:
No push on used ... xyl borrows car .... trx jumps from desk and is flying
out of the window ...

Oh what a mess!!

Dg9bfc
Sigi

[Non-text portions of this message have been removed]

19886. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 22:46:06 UTC
From: dean
Topic: 19864 Message: 19886

Mine would tell me to get a new tin can with a string attached after I told her the FT-5000

73, WY6L

From: Joe
Sent: Thursday, September 22, 2011 7:45 AM
To: ham-antennas@yahoogroups.com
Cc: Siegfried Jackstien
Subject: Re: AW: [ham-antennas] My First HF Antenna

Sig I have a better scenario:

No push on used ... xyl borrows car .... trx jumps from desk and is flying out of the window ... Rig is destroyed.... xyl has to buy you a new one... you say the only equivalent that is made now is a K2....

Sounds good to me.... I'll be back later after I hook up to the car.

73

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/22/2011 1:05 AM, Siegfried Jackstien wrote:
> No push on used ... xyl borrows car .... trx jumps from desk and is flying
> out of the window ...
>
> Oh what a mess!!
>
> Dg9bfc
> Sigi
>
>
>> -----Ursprüngliche Nachricht-----
>> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
>> Auftrag von Adrian Flynn
>> Gesendet: Mittwoch, 21. September 2011 22:49
>> An: mailto:ham-antennas%40yahoogroups.com
>> Betreff: Re: [ham-antennas] My First HF Antenna
>>
>> That is what "Push On PL-259's" were made for.
>> Along with a good screed door spring and light tension it will pull free

>> if
>> you forget or the "XYL" borrows the car.
>> 73
>> Adrian KF7DYU
>>
>>
>> If you do the mobile antenna-to-fixed-rig connection, don't forget to
>> disconnect the coax before you drive away the next morning. That's the
>> hard
>> way to go mobile.
>>
>> 73,
>> Frank
>> KF6E
>>
>> On Wed, Sep 21, 2011 at 8:22 AM, Ron Youvan<mailto:ka4inm%40tampabay.rr.com>
>> wrote:
>>
>>> **
>>>>
>>>> James NF8I wrote:
>>>>
>>>>
>>>> flagpole
>>>> light poles
>>>> Bird feeder
>>>> arbor
>>>> under the eves
>>>> 30 gauge dipoles
>>>> pole surrounded by a round flower garden, pole supporting hanging
>> baskets
>>>> (on nylon cordage)
>>>> with plants in them
>>>> HAM-stick on the back bumper of a car parked in the driveway with the
>>> coax
>>>> coming under the car and
>>>> garage door into the shack
>>>>
>>>> Antennas in attics if there is any kind of air-conditioning ducts or
>>> wiring
>>>> are very troublesome.
>>>> --
>>>> Ron KA4INM - Bizarreness is the essence of the exotic
>>>>
>>>> __._
>>>>
>>> [Non-text portions of this message have been removed]
>>>
>>>
>>>

>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
>> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be
>> cause for suspension. Moderators WILL have final say in these matters.
>> Post message: mailto:ham-antennas%40yahoogroups.com
>> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>> List owner: mailto:ham-antennas-owner%40yahoogroups.com
>> Yahoo! Groups Links
>>
>>
>>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: mailto:ham-antennas%40yahoogroups.com
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19887. Re: [ham-antennas] Re: My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 22:59:58 UTC
From: Adrian Flynn
Topic: 19864 Message: 19887

Steal an Idea from "Rat Shack" (IIRC) wrap a VHF/UHF antenna around the
outside of the dish like they did to receive "Local" TV channels back when
there were "Analog" signals!
73
Adrian KF7DYU
On Wed, Sep 21, 2011 at 11:03 PM, james_nf8i <nf8i@...> wrote:

> **
>
>
>
>
> I rather ike the idea of, say, a loop around the house under the eaves or
> gutters. I'm a bit worried about the interaction with the aluminum siding
> though.
>
> I'm not terribly handy, so I'd need to overcome both my poor grasp on
> antenna theory and my general clumsiness when working with my hands.
>
> I just got a copy of RSGB's Stealth Antennas book, so I may have to revisit
> the question after reading that.
>
> (Of course, I could better fit in with my neighbors by putting a dummy
> satellite dish on the roof and draping coax all over the house.)
>
>
> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
> >
> > James NF8I wrote:
> >
> > > I'm planning to get my first HF rig, but I don't want to buy any
> equipment until I solve my antenna
> > > dilemma. Like many in this group, HOA restrictions constrain me to only
> using indoor antennas.
> >
> > That is only one interpretation. Thinking the restrictions prevent you
> from using an outside
> > antenna is a restriction in your mind only. You are not allowed to have
> anything on your property
> > that looks like an antenna. Thousands of HAMs have outside antennas that
> do not look like antennas
> > now. They use as many tricks as there are HAMs doing it.
> >
> > flagpole
> > light poles

> > Bird feeder
> > arbor
> > under the eves
> > 30 gauge dipoles
> > pole surrounded by a round flower garden, pole supporting hanging baskets
> (on nylon cordage)
> > with plants in them
> > HAM-stick on the back bumper of a car parked in the driveway with the
> coax coming under the car and
> > garage door into the shack
> >
> > Antennas in attics if there is any kind of air-conditioning ducts or
> wiring are very troublesome.
> > --
> > Ron KA4INM - Bizarreness is the essence of the exotic
> >
>
>
>

[Non-text portions of this message have been removed]

19888. Re: AW: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-22 23:10:40 UTC
From: Adrian Flynn
Topic: 19864 Message: 19888

Sounds like my first XYL. If she was driving the car and any warning lights or BUZZERS came on she would drive it home < Or TRY> to ask me what was wrong with it.
After replacing (2) TWO Turbo Corvair Corissa engines at $2,000.00+ (1968 prices) I fixed a timer and told her if she saw a light or heard a buzzer pull to side of road and turn engine off within 30 seconds.
She ignored it, she parked the car in the middle of the Santa Monica Freeway, LA at 5:45 PM! Repair cost $20.00 to me she paid the $75.00 ticket and the $95.00 tow bill.
She NEVER did that again.
Oh for the days when you had TUBE time delays.
73
Adrian KF7DYU

On Thu, Sep 22, 2011 at 11:35 AM, van wd8aam <vlincoln@...>wrote:

> **
>
>
> Even Better: Sudden and Accidental qualifies it under most
> homeowners insurance as accident to personal property.
>
> Wife says: Talk to our insurance company, it wasn't MY fault.....<heh,heh>
> Been there, done that..... (and yes, I now have slip-on coax
> connectors!)
> This is about as 'sudden and accidental' as it gets!
> van wd8aam
>
>
> At 14:45 9/22/2011, you wrote:
> >Sig I have a better scenario:
> >No push on used ... xyl borrows car .... trx jumps from desk and is
> >flying out of the window ... Rig is destroyed.... xyl has to buy you
> >a new one... you say the only equivalent that is made now is a K2....
> >
> >Sounds good to me.... I'll be back later after I hook up to the car.
> >73
> >Joe WB9SBD
> >
> >On 9/22/2011 1:05 AM, Siegfried Jackstien wrote:
> > > No push on used ... xyl borrows car .... trx jumps from desk and is
> flying
> > > out of the window ...
> > >
> > > Oh what a mess!!

> > >
> > > Dg9bfc
> > > Sigi
> > >
> > >> An: <mailto:ham-antennas%40yahoogroups.com>
> ham-antennas@yahoogroups.com
>
> > >> Betreff: Re: [ham-antennas] My First HF Antenna
> > >>
> > >> That is what "Push On PL-259's" were made for.
> > >> Along with a good screed door spring and light tension it will pull
> free
> > >> if
> > >> you forget or the "XYL" borrows the car.
> > >> 73
> > >> Adrian KF7DYU
> > >>
> > >> If you do the mobile antenna-to-fixed-rig connection, don't forget to
> > >> disconnect the coax before you drive away the next morning. That's the
> > >> hard
> > >> way to go mobile.
> > >>
> > >> 73,
> > >> Frank
> > >> KF6E
> > >>
> > >> On Wed, Sep 21, 2011 at 8:22 AM, Ron
> > Youvan<<mailto:ka4inm%40tampabay.rr.com>ka4inm@tampabay.rr.com>
>
> > >> wrote:
> > >>
> > >>> **
> > >>>>
> > >>>> James NF8I wrote:
> > >>>>
> > >>>>
> > >>>> flagpole
> > >>>> light poles
> > >>>> Bird feeder
> > >>>> arbor
> > >>>> under the eves
> > >>>> 30 gauge dipoles
> > >>>> pole surrounded by a round flower garden, pole supporting hanging
> > >> baskets
> > >>>> (on nylon cordage)
> > >>>> with plants in them
> > >>>> HAM-stick on the back bumper of a car parked in the driveway with
> the
> > >>> coax
> > >>>> coming under the car and

> > >>>> garage door into the shack
> > >>>> --
> > >>>> Ron KA4INM - Bizarreness is the essence of the exotic
> > >>>>
> > >>>> __._
> > >>>>
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

19889. Re: [ham-antennas] My First HF Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-23 00:07:33 UTC
From: Robert Garland
Topic: 19864 Message: 19889

James,

It is just easier to send this directly to you rather than post to ham-antennas because I can't post images there. I CC'd the list, but I don't think they will get the image.

This arrangement requires access to the attic.

The attached image is a diagram of the antenna at the condo I lived in for 7 years. Condo satellite view courtesy of Goodle Earth. The antenna is fed in the center on the ridgeline. The sketch is of a dipole, but it was too much trouble to draw two halves of the dipole using the ruler in Google Earth, so you'll just have to mentally insert the center insulator and feed point in the center of the ridgeline.

I used a length of about 66 feet for 40 meters. The sketch shown is reported by Google Earth as 102 feet. You just toy with the ends by folding them back, and let the autotuner take care of getting a reasonable match. I didn't have an autotuner back then, but my 40-meter dipole, folded into something like the letter C, worked OK. For ease of adjustment, you might try feeding at the eave, and doing the foldback of the elements along the ridgeline. The roof area was non-metallic, but the siding was aluminum.

The house construction was a quad, and my piece of the property was just the quarter where you see the antenna in yellow.

Robert, NX3S

[Non-text portions of this message have been removed]

19890. A-D DX-CC for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-24 06:43:55 UTC
From: Chris Boone
Topic: 19890 Message: 19890

Selling for a friend of mine who is going into assisted living.

An Alpha Delta DX-CC antenna..with a MFJ259 antenna analyzer on it, it showed the following:

50ohm match at 3770 (same as A-D's ad)

50ohm match at 7100 (again, same as A-D)

50ohm match at 13.880 (ok, this is a little low; just trim the 20m element)

NO match across 15 (and A-D says use a tuner..the SWR was below 3:1 in most spots so a tuner would work ok)

Couple of low SWR spots on 10m..ok on 10m

Sells for $180 new..asking $120 +S/H OBO

Can do Paypal.Includes 75-100ft of LMR 400.will have to cut one connector off to pull it back through wall but can crimp a new one one for buyer

Chris

WB5ITT

Wb5itt at wb5itt dot net

(CAN Deliver to Belton Hamfest or along route to/from it.coming from Beaumont to Houston northside to 290 to Brenham and then 36 north to Cameron to 190 and then on to 93 to Belton)

[Non-text portions of this message have been removed]

19891. Re: [ham-antennas] A-D DX-CC for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-24 10:13:03 UTC
From: chas
Topic: 19890 Message: 19891

On 9/24/11 1:43 AM, Chris Boone wrote:
>
> An Alpha Delta DX-CC antenna..with a MFJ259 antenna analyzer on it, it
> showed the following:

Good antenna, use mine to back up my Cobra but it is too "ham banded" for my MARS usage. point is, MFJ shows a "259B" for about $290.. that plus the DX-CC and all that wire makes this a real steal at $120.

Whoever buys this will have really "fallen into it" so congrats to whoever...

73

Chas

--
A: Because it messes up the order in which people normally read text. <B>
Q: Why is top-posting such a bad thing?<B>
A: Top-posting. <b>
Q: What is the most annoying thing in e-mail? <B>

.

19892. Re: [ham-antennas] A-D DX-CC for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-24 10:21:25 UTC
From: van wd8aam
Topic: 19890 Message: 19892

The way I read it is Chris is simply using HIS 259B to show the swr points,
but it does NOT come with the 259B.
Van wd8aam

At 10:13 9/24/2011, you wrote:
>On 9/24/11 1:43 AM, Chris Boone wrote:
> >
> > An Alpha Delta DX-CC antenna..with a MFJ259 antenna analyzer on it, it
> > showed the following:
>
>Good antenna, use mine to back up my Cobra but it is too "ham banded" for my
>MARS usage. point is, MFJ shows a "259B" for about $290.. that plus the
>DX-CC and all that wire makes this a real steal at $120.
>
>Whoever buys this will have really "fallen into it" so congrats to whoever...
>
>73
>
>Chas
>
>--
>A: Because it messes up the order in which people normally read text. <B>
>Q: Why is top-posting such a bad thing?<B>
>A: Top-posting. <b>
>Q: What is the most annoying thing in e-mail? <B>
>
>.
>

[Non-text portions of this message have been removed]

19893. Microwave Stuff

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-24 12:00:43 UTC
From: Ron Polityka
Topic: 19893 Message: 19893

Hello,

I have a bunch of microwave items and aluminum waveguides
that I no longer need.

If interested, please e-mail me directly and I can send you
the information and a few pictures.

73
Ron de WB3AAL

19894. Re: [ham-antennas] A-D DX-CC for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-24 13:20:36 UTC
From: Walt Wilson
Topic: 19890 Message: 19894

Is that like the way you have your question and answer section with the answer first?

From: chas
Sent: Saturday, September 24, 2011 6:13 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] A-D DX-CC for sale

On 9/24/11 1:43 AM, Chris Boone wrote:
>
> An Alpha Delta DX-CC antenna..with a MFJ259 antenna analyzer on it, it
> showed the following:

Good antenna, use mine to back up my Cobra but it is too "ham banded" for my
MARS usage. point is, MFJ shows a "259B" for about $290.. that plus the
DX-CC and all that wire makes this a real steal at $120.

Whoever buys this will have really "fallen into it" so congrats to whoever...

73

Chas

--
A: Because it messes up the order in which people normally read text. <B>
Q: Why is top-posting such a bad thing?<B>
A: Top-posting. <b>
Q: What is the most annoying thing in e-mail? <B>

.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1410 / Virus Database: 1520/3916 - Release Date: 09/24/11

[Non-text portions of this message have been removed]

19896. Hustler G7-144 or Diamond X-500HNA

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 11:10:18 UTC
From: Zoli
Topic: 19896 Message: 19896

Hi all!

1.I like to know that G7-144 or Diamond X-500HNA has better gain for 144mhz band on the same mast if you hear a repeater?

2.I like to know that G6-440 or Diamond X-500HNA has better gain for 430mhz band on the same mast if you hear a repeater?

3.X-500HNA(5.4m) is longer than Hustler G6-440 but I am dissapointed for 430Mhz band.I like also X-700H dual band antenna(7.2m) but I am afraid of 70cm gain.One times tested X-700H and X-50(1.7m) and X-700(7.2m) was same on 70cm.On 144Mhz was difference about S3 signal. Experience?

4.I heard that same years later radial of G7-144 fall out.
I dont understand that radial made from aluminium,why not from stainless steel?This antenna has this radial problem now?
Do you suggest to buy this G7-144?

Thanks
Zoli

19897. RE: [ham-antennas] Hustler G7-144 or Diamond X-500HNA

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 11:45:42 UTC
From: jo barden
Topic: 19896 Message: 19897

Hi Zoli

I have the Diamond X-50 and Watson W-2000 which replaced my X-50 both excellent antennas and only replaced the Diamond as the Watson was the "right" price and had 6m capability. I have found my FT-450 running 100W via an old MFJ-948 gets out well on 6m. My OCFD will tune on 6 but in all honesty the Watson is at least 3 S points better.

From Eham reviews the X-500HNA seems to be not the best but I would recommend the X-50 or Watson equivalent if you want to save a few pennies and in my case both antennas have stainless radials.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: szegedyzoltan@...
Date: Sun, 25 Sep 2011 11:10:18 +0000
Subject: [ham-antennas] Hustler G7-144 or Diamond X-500HNA

Hi all!

1.I like to know that G7-144 or Diamond X-500HNA has better gain for 144mhz band on the same mast if you hear a repeater?

2.I like to know that G6-440 or Diamond X-500HNA has better gain for 430mhz band on the same mast if you hear a repeater?

3.X-500HNA(5.4m) is longer than Hustler G6-440 but I am dissapointed for 430Mhz band.I like also X-700H dual band antenna(7.2m) but I am afraid of 70cm gain.One times tested X-700H and X-50(1.7m) and X-700(7.2m) was same on 70cm.On 144Mhz was difference about S3 signal.

Experience?

4.I heard that same years later radial of G7-144 fall out.

I dont understand that radial made from aluminium,why not from stainless steel?This antenna has this radial problem now?

Do you suggest to buy this G7-144?

Thanks

Zoli

[Non-text portions of this message have been removed]

19898. Re: [ham-antennas] Hustler G7-144 or Diamond X-500HNA

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 14:57:23 UTC
From: Art Nienhouse
Topic: 19896 Message: 19898

Hi Zoli
I had them both did a A/b for the most part they are almost even the g7
was just slightly better on receive
however when the wind starts blowing 15 to 20 mph the flutter is brutal
on the Diamond 500.
Regards
Art
ka9zap

On 9/25/2011 6:04 AM, Zoli wrote:
>
>
>
> Hi all!
>
> 1.I like to know that G7-144 or Diamond X-500HNA has better gain for
> 144mhz band on the same mast if you hear a repeater?
>
> 2.I like to know that G6-400 or Diamond X-500HNA has better gain for
> 430mhz band on the same mast if you hear a repeater?
>
> 3.X-500HNA(5.4m) is longer than Hustler G6-440 but I am dissapointed
> for 430Mhz band.I like also X-700H dual band antenna(7.2m) but I am
> afraid of 70cm gain.One times tested X-700H and X-50(1.7m) and
> X-700(7.2m) was same on 70cm.On 144Mhz was difference about S3 signal.
> Experience?
>
> 4.I heard that same years later radial of G7-144 fall out.
> I dont understand that radial made from aluminium,why not from
> stainless steel?This antenna has this radial problem now?
> Do you suggest to buy this G7-144?
>
> Thanks
> Zoli
>
>

[Non-text portions of this message have been removed]

19899. G7 vs Diamond/Comet

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 17:04:35 UTC
From: Chris Boone
Topic: 19899 Message: 19899

Hustler G7 wins HANDS DOWN against ALL competition.....even a DB224 watt for watt in range....NOW if its on a tall tower (500ft or so), you DON'T want it to be the TOP antenna...it does NOT like lightning the way a DB224 can handle it...(been there, lost a couple and its not a pretty sight)..and the DB224 can be pattern shaped where as the G7 likes to be omni more than anything else.

BUT performance, GIVE ME A G7 anyday....even the G6 is fantastic....YES 6 and 7 REAL DB gain over a DIPOLE (dbD) not over an imaginary antenna (dbi) which raised the number by 2.15!!! (ANYTIME you see dbi OR even more likely db with NO D or d at the end, its dbi and that number is 2.15db HIGHER than dbD real life gain)

Yes, the radials are aluminum....go to a hardware store and buy some stainless roads if you wish or spray the radials with a good enamel paint and clearcoat like used on autos.....but the mast too is aluminum (I use clear coat on that as well)....one local 2m rptr has a G7 on it since 1984 (I put it on the tower!!!); yep the radials are gone....surprised the antenna is there...but hey 150 bucks for an antenna that lasted 20yr in the SE TX corrosive atmosphere is a pretty good ROI !!! DB224s may go longer but they cost 5x as much....ON a short tower or building top, I PREFER the G7 for omni coverage...not easy to use in directional mode unless you space it 1/4wl from a suitable mast behind it as a reflector...On a tall tower, I don't like to climb..but side mounted, they seem to hold ok..its just when IT is the lightning rod, they explode....(and yet keep working as a single 5/8wave antenna!!! Had that happen at a rptr site 3 years in a row on Labor Day weekend back in the 80s....N5DNG(sk) in Daisetta TX between Beaumont and Houston...200ft high G7s on 2 and 220....the 2m kept getting blown away by lightning storms...The 220?? NEVER took a hit.....we eventually put a taller lightning "mast" up and the G7-144 never blew up again....

Chris
WB5ITT
(LOVE the GX-xxx series...except the G6-2/70 is not my fav but it is still REAL 6dbd on both bands..unlike Diamond or Comet (and Ive tried them all)....I DO like the Comet CX333 tribander...but the fiberglass and radials tend to fall apart after only 2-3 years...yet a G7 on the same roof top?? Still going strong 15 years after it was installed new....THATS performance)

19900. diamond dual band antennas problem on 70cm X-50,X-200,X-300,X-500,X-510,X-700

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 17:14:36 UTC
From: Zoli
Topic: 19900 Message: 19900

Hi all!

1.Who compared one of Diamond dual band(2m/70cm) antennas on 70cm band with other vertical antenna(Diamond monoband 70cm...) on the same mast on the same time?What is difference?I think on 70cm band diamond dual band antenna not working.

2.I used Diamond X-50 and X-500 and X-700 and realised that no difference on 70cm band.Longer Diamond dual band antenna is not better than shorter Diamond antenna on 70cm band.Why?

Thanks
Zoli

19901. 3 element wire beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 18:10:58 UTC
From: wb4mnk@bellsouth.net
Topic: 19901 Message: 19901

Wonder if some one could model this antenna using EZNEC program.

Director : 32'1"
Driven ele: 33'8"
Reflector: 35'8"

Spacing of 8'6" for both the reflector and director.
Wire elements are config. as an inverted vee with the peak at 19'and apex angle 90 degrees.
Feed line is rg58 50 ohm belden cable 50 or 75 feet long.
Elements #20 gage teflon coated copper wire.
Ground will vary because the antenna will be used qrp portable.
Output will be 4 watts to this antenna.

I am interested in the:
Gain, Angle of radiation, and if possible a picture of the radiating pattern.

I have tried to use the program to get this information but just don't have the knowledge and experience to use the EZNEC program.

Any help will be appreciated.

73,
Art
WB4MNK

19902. Re: [ham-antennas] 3 element wire beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 18:16:38 UTC
From: Ron Polityka
Topic: 19901 Message: 19902

Hi Art,

What band?

Someone did that for me on 20m. I have the screen shots.

72
Ron de WB3AAL

----- Original Message -----
From: "wb4mnk@..." <wb4mnk@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, September 25, 2011 2:10 PM
Subject: [ham-antennas] 3 element wire beam

> Wonder if some one could model this antenna using EZNEC
> program.
>
> Director : 32'1"
> Driven ele: 33'8"
> Reflector: 35'8"
>
> Spacing of 8'6" for both the reflector and director.
> Wire elements are config. as an inverted vee with the peak
> at 19'and apex angle 90 degrees.
> Feed line is rg58 50 ohm belden cable 50 or 75 feet long.
> Elements #20 gage teflon coated copper wire.
> Ground will vary because the antenna will be used qrp
> portable.
> Output will be 4 watts to this antenna.
>
> I am interested in the:
> Gain, Angle of radiation, and if possible a picture of the
> radiating pattern.
>
> I have tried to use the program to get this information
> but just don't have the knowledge and experience to use
> the EZNEC program.
>
> Any help will be appreciated.
>
> 73,
> Art
> WB4MNK
>
>

>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 2586 members (as of 6/28/11).
> and attachments are NOT permitted.
> Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL
> have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

19903. Comments welcomed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 19:37:58 UTC
From: neilkj6fba
Topic: 19903 Message: 19903

I am a newly passed General Class amateur and wrestling with antenna issues. My home owners association is pretty fussy about "visible antennas". For my UHF - VHF antenna I have been using a Diamond discone which is hidden from street view behind a medium sized pine tree. For my SWL over the past few years I have a random wire, about 140 feet long running along the top of a wooden fence about 6 feet high. It is fed by about 40 feet of quality RG6 "quad-shield" coax and a "balun" (un-un) from Par electronics. I know I could replace the coax and balun but would like to avoid that cost if feasible!

Now, I know the coax is 72 ohm impedance, not the recommended 50 ohms. I am still shopping for a transceiver of about 100 watts PEP and probably an antenna tuner which could cope with the 72 ohm coax and a random wire! I would like to get a transceiver AND an antenna tuner for less than $1500 total cost. I know I will likely need to buy a power supply as well.

Any suggestions or comments are more than welcome.

Neil Bell
KJ6FBA

19904. Re: 3 element wire beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 19:48:56 UTC
From: wb4mnk@bellsouth.net
Topic: 19901 Message: 19904

Sorry Ron, Band 14.060

The screen shots would be great. Please send to wb4mnk@...

Thanks Ron I appreciate this.

73,
Art
WB4MNK

--- In ham-antennas@yahoogroups.com, "Ron Polityka" <wb3aal@...> wrote:
>
> Hi Art,
>
> What band?
>
> Someone did that for me on 20m. I have the screen shots.
>
> 72
> Ron de WB3AAL
>
> ----- Original Message -----
> From: "wb4mnk@..." <wb4mnk@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Sunday, September 25, 2011 2:10 PM
> Subject: [ham-antennas] 3 element wire beam
>
>
> > Wonder if some one could model this antenna using EZNEC
> > program.
> >
> > Director : 32'1"
> > Driven ele: 33'8"
> > Reflector: 35'8"
> >
> > Spacing of 8'6" for both the reflector and director.
> > Wire elements are config. as an inverted vee with the peak
> > at 19'and apex angle 90 degrees.
> > Feed line is rg58 50 ohm belden cable 50 or 75 feet long.
> > Elements #20 gage teflon coated copper wire.
> > Ground will vary because the antenna will be used qrp
> > portable.
> > Output will be 4 watts to this antenna.
> >
> > I am interested in the:
> > Gain, Angle of radiation, and if possible a picture of the

> > radiating pattern.
> >
> > I have tried to use the program to get this information
> > but just don't have the knowledge and experience to use
> > the EZNEC program.
> >
> > Any help will be appreciated.
> >
> > 73,
> > Art
> > WB4MNK
> >
> >
> >
> >
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask
> > questions. Replies go to ALL 2586 members (as of 6/28/11).
> > and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as
> > inflamatory MAY be cause for suspension. Moderators WILL
> > have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>

19905. slim jim antenna freq

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 22:32:22 UTC
From: tivoligardens@yahoo.com
Topic: 19905 Message: 19905

I built my first slim jim using twin lead today.
When I put it on an antenna analyzer it come up with a freq of 167.2.

What do I need to get this town for use on 2m ?

Thanks
Hal W4Hal

19906. Phasing Yagis in Vertical Polarization

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-25 23:25:19 UTC
From: Terry Maurice
Topic: 19906 Message: 19906

Hello all,

This is my first post to the group and this topic may have been covered before but I have been unable to find it.

I am attempting to setup two 15 element Yagi antennas in vertical polarization for the 70cm band and I am wondering what the spacing should be between the antennas. The ARRL Antenna Handbook states that 5/8 lambda should be used for best gain and pattern, but other sources on the net indicate that a wider spacing up to 1.3 lambda should be used when a larger number of elements are present in the Yagi. I am using a Yaesu G-5400B rotator system with the elevation rotator at the top of the mast and the azimuth rotator down in the tower.

I would appreciate hearing of any experience you have with such a setup.

Thanks

Terry
VE3XTM

19907. whats it called

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 00:17:06 UTC
From: john
Topic: 19907 Message: 19907

Hi can anyone tell me what the antenna cable pass through that goes on your window sill is called trying to track one down thanks

19908. Re: [ham-antennas] whats it called

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 00:24:29 UTC
From: Benjamin Straw - KC9UNS
Topic: 19907 Message: 19908

Are you talking about a window mount?

Kc9uns Ben

On Sep 25, 2011, at 7:17 PM, "john" <packratofct@...> wrote:

> Hi can anyone tell me what the antenna cable pass through that goes on your window sill is called trying to track one down thanks
>
>

[Non-text portions of this message have been removed]

19909. Re: [ham-antennas] whats it called

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 00:36:31 UTC
From: Mike Elcsisin
Topic: 19907 Message: 19909

Do you mean something like this?:

http://www.mfjenterprises.com/Product.php?productid=MFJ-4602

From: john <packratofct@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, September 25, 2011 8:17 PM
Subject: [ham-antennas] whats it called

Hi can anyone tell me what the antenna cable pass through that goes on your window sill is called trying to track one down thanks

[Non-text portions of this message have been removed]

19910. RE: [ham-antennas] whats it called

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 01:12:37 UTC
From: Richard Schmuke
Topic: 19907 Message: 19910

Well John, a bunch of people will tell me how wrong I am but I had one made from a 1x4 piece of white pine for years. Grounding is thru my tower and other points not just at pass thru. Since I moved out here this one is made from polycarbonate, coax is thru with a little calk on some and extended PL-258's (bulkhead fittings) on others, rotor control cable just a little RTV also. The 450 ohm line has the ceramic pass thrus but a hole and RTV would be just as good. On the outside I support the coax runs with a strip of poly and then clamped with Adell clamps and supported by 1/16 cable and a spring. This keeps the wind load off the pass thru. I like to make whatever I can and it's cheaper. There is a picture in the photo section of this in the Kd0zz album in the groups photo section.

Or for more of my crazy ideas see,

http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of john
Sent: Sunday, September 25, 2011 7:17 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] whats it called

Hi can anyone tell me what the antenna cable pass through that goes on your window sill is called trying to track one down thanks

[Non-text portions of this message have been removed]

19911. Re: [ham-antennas] whats it called

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 01:23:37 UTC
From: GLORIA WELLS
Topic: 19907 Message: 19911

Check on Cheapham.com and go to antenna section around 40-60 or MFJ has them also
Gloria
KK4DXM

--- On Sun, 9/25/11, john <packratofct@...> wrote:

From: john <packratofct@...>
Subject: [ham-antennas] whats it called
To: ham-antennas@yahoogroups.com
Date: Sunday, September 25, 2011, 8:17 PM

Hi can anyone tell me what the antenna cable pass through that goes on your window sill is called trying to track one down thanks

[Non-text portions of this message have been removed]

19912. Re: [ham-antennas] slim Jim antenna freq

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 02:05:10 UTC
From: Ron Youvan
Topic: 19905 Message: 19912

tivoligardens@... wrote:

> I built my first slim jim using twin lead today.
> When I put it on an antenna analyzer it come up with a freq of 167.2 MHz.

> What do I need to get this down for use on 2m ?

One would guess, remake it - longer.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

19913. Re: [ham-antennas] slim Jim antenna freq

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 03:30:21 UTC
From: David Myers
Topic: 19905 Message: 19913

tivoligardens@... wrote:

> I built my first slim jim using twin lead today.
> When I put it on an antenna analyser it come up with a freq of 167.2 MHz.

> What do I need to get this down for use on 2m ?

One would guess, remake it - longer.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

Or adjust the feed point. Don't rely on what the drawing says for coax attachment.

Use the analyser to get the correct feed point position.

Dave VK2RD

19914. RE: [ham-antennas] slim jim antenna freq

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 03:44:30 UTC
From: Richard Schmuke
Topic: 19905 Message: 19914

I assume you mean that the resonate frequency is at 167.2. If so then check you dimensions , it sounds like your upper legs are too short, but that would be a extreme amount, close to 9" overall.

Did you adjust you feed point for lowest SWR?

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of tivoligardens@...
Sent: Sunday, September 25, 2011 5:32 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] slim jim antenna freq

I built my first slim jim using twin lead today.
When I put it on an antenna analyzer it come up with a freq of 167.2.

What do I need to get this town for use on 2m ?

Thanks
Hal W4Hal

[Non-text portions of this message have been removed]

19915. AW: [ham-antennas] 3 element wire beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 08:06:54 UTC
From: Siegfried Jackstien
Topic: 19901 Message: 19915

Try out mmana!
freeware and easy to use antenna simulating soft
I made LOTS of antennas with it ... and I think it is quite easy to use
(after a short learning curve)
I can model your antenna in minutes with this soft
Ok sure you would need a bit time for learning how to use it ... but after
that you will not use any other soft again (my thoughts)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von wb4mnk@...
> Gesendet: Sonntag, 25. September 2011 18:11
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 3 element wire beam
>
>
>
> Wonder if some one could model this antenna using EZNEC program.
>
> Director : 32'1"
> Driven ele: 33'8"
> Reflector: 35'8"
>
> Spacing of 8'6" for both the reflector and director.
> Wire elements are config. as an inverted vee with the peak at 19'and apex
> angle 90 degrees.
> Feed line is rg58 50 ohm belden cable 50 or 75 feet long.
> Elements #20 gage teflon coated copper wire.
> Ground will vary because the antenna will be used qrp portable.
> Output will be 4 watts to this antenna.
>
> I am interested in the:
> Gain, Angle of radiation, and if possible a picture of the radiating
> pattern.
>
> I have tried to use the program to get this information but just don't
> have the knowledge and experience to use the EZNEC program.
>
> Any help will be appreciated.
>
> 73,
> Art
> WB4MNK

>
>
>
>

19916. AW: [ham-antennas] Phasing Yagis in Vertical Polarization

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 08:35:54 UTC
From: Siegfried Jackstien
Topic: 19906 Message: 19916

The sources on the net are right
With very long beam antennas you need a wider spacing ...
For stacking antennas you should look for a clean pattern (low side-lobes)
Instead of the max gain it is better to have a cleaner pattern
You will not notice a difference of a few tenth of db in gain ... but lower sidelobes is good for better receiving (lower noise from the sides)
...
Best would be to simulate your antennas ... but i think if you take the recommended stacking distance all should be fine

See in the tables of different antenna manufacturers ... there is a recommended stacking distance for a given antenna

Take one antenna that is close to your design ...
A small difference is meaningless for the gain and pattern

Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Terry Maurice
> Gesendet: Sonntag, 25. September 2011 23:25
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Phasing Yagis in Vertical Polarization
>
>
>
> Hello all,
>
> This is my first post to the group and this topic may have been covered
> before but I have been unable to find it.
>
> I am attempting to setup two 15 element Yagi antennas in vertical
> polarization for the 70cm band and I am wondering what the spacing
> should be between the antennas. The ARRL Antenna Handbook states that
> 5/8 lambda should be used for best gain and pattern, but other sources
> on the net indicate that a wider spacing up to 1.3 lambda should be used
> when a larger number of elements are present in the Yagi. I am using a
> Yaesu G-5400B rotator system with the elevation rotator at the top of
> the mast and the azimuth rotator down in the tower.
>
> I would appreciate hearing of any experience you have with such a setup.
>
> Thanks

>
> Terry
> VE3XTM
>
>
>

19917. AW: [ham-antennas] Comments welcomed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 08:47:11 UTC
From: Siegfried Jackstien
Topic: 19903 Message: 19917

You wanna spend 1500 bucks for trx and tuner ... but want to avid the costs
of a few feet of wire ?!?! ...
A used trx can be found for 300-500 bucks (depends on what you want)
Or you can spend 1500 bucks for a new trx with built-in tuner
(or a bit lower to have some money left for psu)

I would recommend to buy a used trx and a manual tuner first ...

That should be in the 500 dollar range or so

The saved money could be used to buy some new coax, a power supply (if you
bought a mobile rig), and a spool of aluminium fence wire (30bucks only)

Ask your ham-friends in your local club if someone has a spare rig to sell

Go to the next ham-fest and see if someone on the flew-market has a rig for
you ...

For a beginner I would not recommend to use an sdr rig a starting point ...
otherwise I would maybe take the flex 3000 ... 100w with built-in tuner

Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von neilkj6fba
> Gesendet: Sonntag, 25. September 2011 19:38
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Comments welcomed
>
>
>
> I am a newly passed General Class amateur and wrestling with antenna
> issues. My home owners association is pretty fussy about "visible
> antennas". For my UHF - VHF antenna I have been using a Diamond discone
> which is hidden from street view behind a medium sized pine tree. For my
> SWL over the past few years I have a random wire, about 140 feet long
> running along the top of a wooden fence about 6 feet high. It is fed by
> about 40 feet of quality RG6 "quad-shield" coax and a "balun" (un-un) from
> Par electronics. I know I could replace the coax and balun but would like
> to avoid that cost if feasible!
>
> Now, I know the coax is 72 ohm impedance, not the recommended 50 ohms. I
> am still shopping for a transceiver of about 100 watts PEP and probably an
> antenna tuner which could cope with the 72 ohm coax and a random wire! I

> would like to get a transceiver AND an antenna tuner for less than $1500
> total cost. I know I will likely need to buy a power supply as well.
>
> Any suggestions or comments are more than welcome.
>
> Neil Bell
> KJ6FBA
>
>
>
>

19918. AW: [ham-antennas] diamond dual band antennas problem on 70cm X-50,X-200,X-300,X-500,X-510,X-700

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 10:22:04 UTC
From: Siegfried Jackstien
Topic: 19900 Message: 19918

Sure there is a difference between x50 and x510 ...
The longer antenna has a few db higher gain .. but only a few db so not easy to measure that with a s-meter in the rig
I changed my x6000 (triband 2m, 70cm, 23cm) against a x510 ... that few db more give me exactly one repeater more :-)

I have a very far away repeater on 70 (db0hex abt 200km away)
With the shorter antenna I can work the repeater only on some days
With the longer x510 I can work over that repeater daily ...
The problem on the very long antennas is fading if it is windy ... but the gain is there!

I also compared the original with a clone from a different manufacturer

Buy the original!!! The clone antennas are not so good
The different parts on the antenna (the stacked elements) were connected with crimp connections ... but these connections were "loose" ... I had to additionally solder them to give a good contact!!!

In the elements there are some series caps in line
In the original that is done with small tube parts
(tubular condensator with air as isolation)
In the clone model small ceramic caps are used

And the stacking is made different
On the original the stacking elements (phase line) is done with a real line that goes from lower element up, ent bdown again, and again up
(three-folded element of length 1/6wl=1/2 wl)
On the clone there is a very long but thin coil ... guess what .. the coil has way higher losses ... and so the stacking gain is lower on the "clone" model ....
Been there done that :-)
So ... look to get an original diamond x510
Control the crimp-connections before putting up to roof or pole
(yes even in original I had to additionally solder the connections!)
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Zoli
> Gesendet: Sonntag, 25. September 2011 17:15
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] diamond dual band antennas problem on 70cm X-50,X-

> 200,X-300,X-500,X-510,X-700
>
>
>
> Hi all!
>
> 1.Who compared one of Diamond dual band(2m/70cm) antennas on 70cm band
> with other vertical antenna(Diamond monoband 70cm...) on the same mast on
> the same time?What is difference?I think on 70cm band diamond dual band
> antenna not working.
>
> 2.I used Diamond X-50 and X-500 and X-700 and realised that no difference
> on 70cm band.Longer Diamond dual band antenna is not better than shorter
> Diamond antenna on 70cm band.Why?
>
> Thanks
> Zoli
>
>
>
>

19919. Re: AW: [ham-antennas] Phasing Yagis in Vertical Polarization

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 15:36:09 UTC
From: Joe
Topic: 19906 Message: 19919

From when I was playing with moonbounce a rule of thumb was to make
sure the antennas capture areas would never touch.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 9/26/2011 3:35 AM, Siegfried Jackstien wrote:
> The sources on the net are right
> With very long beam antennas you need a wider spacing ...
> For stacking antennas you should look for a clean pattern (low side-lobes)
> Instead of the max gain it is better to have a cleaner pattern
> You will not notice a difference of a few tenth of db in gain ... but lower
> sidelobes is good for better receiving (lower noise from the sides)
> ...
> Best would be to simulate your antennas ... but i think if you take the
> recommended stacking distance all should be fine
>
> See in the tables of different antenna manufacturers ... there is a
> recommended stacking distance for a given antenna
>
> Take one antenna that is close to your design ...
> A small difference is meaningless for the gain and pattern
>
> Greetz
> Sigi
> Dg9bfc
>
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Terry Maurice
>> Gesendet: Sonntag, 25. September 2011 23:25
>> An: ham-antennas@yahoogroups.com
>> Betreff: [ham-antennas] Phasing Yagis in Vertical Polarization
>>
>>
>>
>> Hello all,
>>
>> This is my first post to the group and this topic may have been covered
>> before but I have been unable to find it.
>>

>> I am attempting to setup two 15 element Yagi antennas in vertical
>> polarization for the 70cm band and I am wondering what the spacing
>> should be between the antennas. The ARRL Antenna Handbook states that
>> 5/8 lambda should be used for best gain and pattern, but other sources
>> on the net indicate that a wider spacing up to 1.3 lambda should be used
>> when a larger number of elements are present in the Yagi. I am using a
>> Yaesu G-5400B rotator system with the elevation rotator at the top of
>> the mast and the azimuth rotator down in the tower.
>>
>> I would appreciate hearing of any experience you have with such a setup.
>>
>> Thanks
>>
>> Terry
>> VE3XTM
>>
>>
>>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19920. Re: [ham-antennas] 3 element wire beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 16:06:08 UTC
From: Memwl
Topic: 19901 Message: 19920

I would love to see those screens hots, I considered a wire beam a long time ago
and for 20 meters.
How is it erected, are all wires supported separately
is it going to be resonant or tuner
ke7sbe
mike

>_____
>From: Ron Polityka <wb3aal@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, September 25, 2011 11:16 AM
>Subject: Re: [ham-antennas] 3 element wire beam
>
>
>
>Hi Art,
>
>What band?
>
>Someone did that for me on 20m. I have the screen shots.
>
>72
>Ron de WB3AAL
>
>----- Original Message -----
>From: "wb4mnk@bellsouth.net" <wb4mnk@...>
>To: <ham-antennas@yahoogroups.com>
>Sent: Sunday, September 25, 2011 2:10 PM
>Subject: [ham-antennas] 3 element wire beam
>
>> Wonder if some one could model this antenna using EZNEC
>> program.
>>
>> Director : 32'1"
>> Driven ele: 33'8"
>> Reflector: 35'8"
>>
>> Spacing of 8'6" for both the reflector and director.
>> Wire elements are config. as an inverted vee with the peak
>> at 19'and apex angle 90 degrees.
>> Feed line is rg58 50 ohm belden cable 50 or 75 feet long.
>> Elements #20 gage teflon coated copper wire.
>> Ground will vary because the antenna will be used qrp
>> portable.
>> Output will be 4 watts to this antenna.

>>
>> I am interested in the:
>> Gain, Angle of radiation, and if possible a picture of the
>> radiating pattern.
>>
>> I have tried to use the program to get this information
>> but just don't have the knowledge and experience to use
>> the EZNEC program.
>>
>> Any help will be appreciated.
>>
>> 73,
>> Art
>> WB4MNK
>>
>>
>>
>>
>>
>>
>>
>>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask
>> questions. Replies go to ALL 2586 members (as of 6/28/11).
>> and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as
>> inflamatory MAY be cause for suspension. Moderators WILL
>> have final say in these matters.
>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com
>> Yahoo! Groups Links
>>
>>
>>
>
>
>
>
>

[Non-text portions of this message have been removed]

19921. Re: [ham-antennas] Re: 3 element wire beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 16:26:00 UTC
From: Memwl
Topic: 19901 Message: 19921

I would love to see those screens hots, I considered a wire beam a long time ago
and for 20 meters.
How is it erected, are all wires supported separately
is it going to be resonant or tuner
ke7sbe
mike

>_____
>From: "wb4mnk@..." <wb4mnk@cfl.rr.com>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, September 25, 2011 12:48 PM
>Subject: [ham-antennas] Re: 3 element wire beam
>
>
>
>
>Sorry Ron, Band 14.060
>
>The screen shots would be great. Please send to wb4mnk@...
>
>Thanks Ron I appreciate this.
>
>73,
>Art
>WB4MNK
>
>--- In ham-antennas@yahoogroups.com, "Ron Polityka" <wb3aal@...> wrote:
>>
>> Hi Art,
>>
>> What band?
>>
>> Someone did that for me on 20m. I have the screen shots.
>>
>> 72
>> Ron de WB3AAL
>>
>> ----- Original Message -----
>> From: "wb4mnk@..." <wb4mnk@...>
>> To: <ham-antennas@yahoogroups.com>
>> Sent: Sunday, September 25, 2011 2:10 PM
>> Subject: [ham-antennas] 3 element wire beam
>>
>>
>> > Wonder if some one could model this antenna using EZNEC

>> > program.
>> >
>> > Director : 32'1"
>> > Driven ele: 33'8"
>> > Reflector: 35'8"
>> >
>> > Spacing of 8'6" for both the reflector and director.
>> > Wire elements are config. as an inverted vee with the peak
>> > at 19'and apex angle 90 degrees.
>> > Feed line is rg58 50 ohm belden cable 50 or 75 feet long.
>> > Elements #20 gage teflon coated copper wire.
>> > Ground will vary because the antenna will be used qrp
>> > portable.
>> > Output will be 4 watts to this antenna.
>> >
>> > I am interested in the:
>> > Gain, Angle of radiation, and if possible a picture of the
>> > radiating pattern.
>> >
>> > I have tried to use the program to get this information
>> > but just don't have the knowledge and experience to use
>> > the EZNEC program.
>> >
>> > Any help will be appreciated.
>> >
>> > 73,
>> > Art
>> > WB4MNK
>> >
>> >
>> >
>> >
>> >
>> >
>> >
>> > ------------------------------------
>> >
>> > HAM ANTENNAS Anything and everything, tell us or ask
>> > questions. Replies go to ALL 2586 members (as of 6/28/11).
>> > and attachments are NOT permitted.
>> > Any statements in ANY post that may be construed as
>> > inflamatory MAY be cause for suspension. Moderators WILL
>> > have final say in these matters.
>> > Post message: ham-antennas@yahoogroups.com
>> > Subscribe: ham-antennas-subscribe@yahoogroups.com
>> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> > List owner: ham-antennas-owner@yahoogroups.com
>> > Yahoo! Groups Links
>> >
>> >

>> >
>>
>
>
>
>
>

[Non-text portions of this message have been removed]

19922. Re: Comments welcomed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-26 22:54:06 UTC
From: kd8dvy@ymail.com
Topic: 19903 Message: 19922

I agree find a good used TXRX or get something from Yeasu if it is possible to run some more wire to completely bring the antenna back around to the balun then you will have a loop which should work fine for you.

Harold
KD8DVY

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:
>
> You wanna spend 1500 bucks for trx and tuner ... but want to avid the costs
> of a few feet of wire ?!?! ...
> A used trx can be found for 300-500 bucks (depends on what you want)
> Or you can spend 1500 bucks for a new trx with built-in tuner
> (or a bit lower to have some money left for psu)
>
> I would recommend to buy a used trx and a manual tuner first ...
>
> That should be in the 500 dollar range or so
>
> The saved money could be used to buy some new coax, a power supply (if you
> bought a mobile rig), and a spool of aluminium fence wire (30bucks only)
>
> Ask your ham-friends in your local club if someone has a spare rig to sell
>
> Go to the next ham-fest and see if someone on the flew-market has a rig for
> you ...
>
> For a beginner I would not recommend to use an sdr rig a starting point ...
> otherwise I would maybe take the flex 3000 ... 100w with built-in tuner
>
> Greetz
> Sigi
> Dg9bfc
>
>
>
> > -----Ursprï¿½ngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von neilkj6fba
> > Gesendet: Sonntag, 25. September 2011 19:38
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Comments welcomed
> >
> >

> >
> > I am a newly passed General Class amateur and wrestling with antenna
> > issues. My home owners association is pretty fussy about "visible
> > antennas". For my UHF - VHF antenna I have been using a Diamond discone
> > which is hidden from street view behind a medium sized pine tree. For my
> > SWL over the past few years I have a random wire, about 140 feet long
> > running along the top of a wooden fence about 6 feet high. It is fed by
> > about 40 feet of quality RG6 "quad-shield" coax and a "balun" (un-un) from
> > Par electronics. I know I could replace the coax and balun but would like
> > to avoid that cost if feasible!
> >
> > Now, I know the coax is 72 ohm impedance, not the recommended 50 ohms. I
> > am still shopping for a transceiver of about 100 watts PEP and probably an
> > antenna tuner which could cope with the 72 ohm coax and a random wire! I
> > would like to get a transceiver AND an antenna tuner for less than $1500
> > total cost. I know I will likely need to buy a power supply as well.
> >
> > Any suggestions or comments are more than welcome.
> >
> > Neil Bell
> > KJ6FBA
> >
> >
> >
> >
>

19923. Re: Comments welcomed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 02:47:55 UTC
From: pchapman920
Topic: 19903 Message: 19923

$1500?

Easy for all new no slouch system FT450D new version with ATU for somewhat resonant antennas $900 or Icom 7200 no tuner $1000 Astron RS35m with volt and ammeter $169. (Mine has had little downtime in nine years.) Plenty of room left for coax and wire or hopefully not..... commercial antenna. Best bet for budget and very decent performance on antenna would be a fan dipole as you would only invest in one piece of coax, 2-259 connectors and antenna wire. You could use a W2AU 1:1 balun from HRO $30, as it makes a very good center support and helps keep RF out of the shack for only a few dollars more than just a center connector. Had a fan dipole once and may wind up reverting to it again.....Biggest caution.....build it one band at a time....do not rush it. Start with the lowest band, tweak it and work your way up, at least that is the way I did it many years ago, with a 1:1 balun, and it worked fine, 40, 20, and 15, no TVI. I tweaked it as I added bands, and had it less than 1.5:1 everywhere I wanted to operate without an antenna tuner. With an internal tuner, a piece of cake. The G5RV I had here got into the TV with a rooftop antenna before I got satellite TV.

If you go with something like a G5RV, few if any internal tuners will handle it. You will be at your budget to get a good external tuner. The highest rated for 200 watts and down....Tokyo HI Power 200 AT at $300, IMO much better than LDG, just slightly more expensive. Have worked 17 countries in the last four weeks with just a 40 meter dipole with almost no effort.

If you are going to spend money on radios, start with a solid and simple antenna. You can use good antenna wire and low loss RG8X for budget construction and stealth. My feeds are 50 to 75 feet, so until I settle on exactly what will be long term for this location, the 1-1.3 db of loss for LOW LOSS RG8X vs RG8 is not a big deal, nor worth the extra sixty or seventy cents a foot when putting up five antennas.

Good luck and grads on the General....Now get to work on the EXTRA!

--- In ham-antennas@yahoogroups.com, "kd8dvy@..." <kd8dvy@...> wrote:
>
> I agree find a good used TXRX or get something from Yeasu if it is possible to run some more wire to completely bring the antenna back around to the balun then you will have a loop which should work fine for you.
>
> Harold
> KD8DVY
>
> --- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@> wrote:
> >
> > You wanna spend 1500 bucks for trx and tuner ... but want to avid the costs
> > of a few feet of wire ?!?! ...
> > A used trx can be found for 300-500 bucks (depends on what you want)
> > Or you can spend 1500 bucks for a new trx with built-in tuner

> > (or a bit lower to have some money left for psu)
> >
> > I would recommend to buy a used trx and a manual tuner first ...
> >
> > That should be in the 500 dollar range or so
> >
> > The saved money could be used to buy some new coax, a power supply (if you
> > bought a mobile rig), and a spool of aluminium fence wire (30bucks only)
> >
> > Ask your ham-friends in your local club if someone has a spare rig to sell
> >
> > Go to the next ham-fest and see if someone on the flew-market has a rig for
> > you ...
> >
> > For a beginner I would not recommend to use an sdr rig a starting point ...
> > otherwise I would maybe take the flex 3000 ... 100w with built-in tuner
> >
> > Greetz
> > Sigi
> > Dg9bfc
> >
> >
> >
> > -----Ursprï¿½ngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von neilkj6fba
> > Gesendet: Sonntag, 25. September 2011 19:38
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Comments welcomed

19924. Re: whats it called

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 11:29:55 UTC
From: james_nf8i
Topic: 19907 Message: 19924

This is the one I use:

http://hamradio.com/detail.cfm?pid=H0-009960

73 de NF8I,

~James

--- In ham-antennas@yahoogroups.com, "john" <packratofct@...> wrote:
>
> Hi can anyone tell me what the antenna cable pass through that goes on your window sill is called trying to track one down thanks
>

19925. Re: [ham-antennas] Re: Comments welcomed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 11:46:57 UTC
From: Frank Kirschner
Topic: 19903 Message: 19925

I agree. Having spent 20 years in the USAF (and years after that as a contractor), traveling all over the world, I always used cheap, easy-to-erect antennas. Now that I've finally settled down, there's no question that overall performance is better if you split the money, time, and effort more or less evenly between electronics and antennas. My old Omni V with a 102-ft doublet out-performs my FTdx-5000 with the Cushcraft R5 I used to carry around. I've picked the spot in my yard for the tower and Yagi.

If you want performance, pay more attention to your antenna. You can get a good used rig for $500 to $1000, depending on the bells and whistles you want (many of which you will wind up not using), and spend the rest on as good an antenna as your lot will allow.

If you have an HOA, consider moving. That's what I did.

73,
Frank
KFgE

On Mon, Sep 26, 2011 at 10:47 PM, pchapman920 <p_chap@...> wrote:

> **
>
> If you are going to spend money on radios, start with a solid and simple
> antenna. You can use good antenna wire and low loss RG8X for budget
> construction and stealth. My feeds are 50 to 75 feet, so until I settle on
> exactly what will be long term for this location, the 1-1.3 db of loss for
> LOW LOSS RG8X vs RG8 is not a big deal, nor worth the extra sixty or seventy
> cents a foot when putting up five antennas.
>
> Good luck and grads on the General....Now get to work on the EXTRA!
>
>

[Non-text portions of this message have been removed]

19926. Re: [ham-antennas] Re: whats it called

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 14:04:40 UTC
From: dean
Topic: 19907 Message: 19926

My windows slide side to side. I just got a piece of wood the thickness of my window that was about 4” wide and bored 4 holes into it for the bulkhead extenders. Its not pretty but it gets the job done. A friend just bored holes in his wall to run the coax thru then put the PL-259 on the end when it was inside. We have another friend who used Lucite (Plexiglas) instead of wood.

73, WY6L

From: james_nf8i
Sent: Tuesday, September 27, 2011 4:29 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: whats it called

This is the one I use:

http://hamradio.com/detail.cfm?pid=H0-009960

73 de NF8I,

~James

--- In mailto:ham-antennas%40yahoogroups.com, "john" <packratofct@...> wrote:
>
> Hi can anyone tell me what the antenna cable pass through that goes on your window sill is called trying to track one down thanks
>

[Non-text portions of this message have been removed]

19927. Re: Comments welcomed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 16:03:55 UTC
From: bk915
Topic: 19903 Message: 19927

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
>
> If you go with something like a G5RV, few if any internal tuners will handle it.

No arguement on the rig. I think maybe, instead of an ebtry level radio, consider the next level up if yo ucan afford it. I started with an IC-735 but moved up to an IC-746Pro a year later. But you gotta start somewhere. I've heard that the TS-590 is a lot of bang for your buck. The ones I've heard on the air sound pretty good.

Concerning the G5RV, I've found the tuner in the 746 does a fine job on it with the exception of 17m. I had always heard grumbling about the G5RV, but after losing a tree which was one of three supports for a loop I had to put something up that only needed two supports and tried the G5RV. I am really surprised at how well it works, especially on 75m. On 40m I talked down to LA with < 10W. Completely anecdotal with no definitive testing, but pleasently surprising. Wonder antenna? No. But my point is that the tuner in my radio tunes it pretty well.

I've had a 135' doublet and found that to be a good performer, but it definitely needs a tuner with more range than an internal one.

Bill W2NVD

19928. Re: whats it called

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 16:06:09 UTC
From: fred
Topic: 19907 Message: 19928

guess I am lucky . all my coax passes into the basement through the hole in the floor where a heating pipe used to be and out through the bulkhead wall where the old water pipe came in . I know not everyone has a basement . they are rare in south texas .
kd5pnt

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> My windows slide side to side. I just got a piece of wood the thickness of my window that was about 4â□□ wide and bored 4 holes into it for the bulkhead extenders. Its not pretty but it gets the job done. A friend just bored holes in his wall to run the coax thru then put the PL-259 on the end when it was inside. We have another friend who used Lucite (Plexiglas) instead of wood.
>
> 73, WY6L
>
>
>
> From: james_nf8i
> Sent: Tuesday, September 27, 2011 4:29 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: whats it called
>
>
> This is the one I use:
>
> http://hamradio.com/detail.cfm?pid=H0-009960
>
> 73 de NF8I,
>
> ~James
>
> --- In mailto:ham-antennas%40yahoogroups.com, "john" <packratofct@> wrote:
> >
> > Hi can anyone tell me what the antenna cable pass through that goes on your window sill is called trying to track one down thanks
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19929. wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 21:06:58 UTC
From: Zoli
Topic: 19929 Message: 19929

wich is the best 144Mhz vertical(more gain,longest)?

Thanks
Zoli

19930. Re: [ham-antennas] wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 21:12:17 UTC
From: Dan Schaaf
Topic: 19929 Message: 19930

Diamond makes a couple good ones

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: Zoli
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 27, 2011 5:06 PM
Subject: [ham-antennas] wich is the best 144Mhz vertical(more gain,longest)?

wich is the best 144Mhz vertical(more gain,longest)?

Thanks
Zoli

[Non-text portions of this message have been removed]

19932. Re: Comments welcomed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 21:28:55 UTC
From: pchapman920
Topic: 19903 Message: 19932

Yep, you are probably right Bill as I was just reading about the dozen variants of the G5RV. Some are closer to resonant than others. Mine was off the chart everyone but worked OK with a manual tuner.

--- In ham-antennas@yahoogroups.com, "bk915" <bk915@...> wrote:
>
> --- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@> wrote:
> >
> >
> > If you go with something like a G5RV, few if any internal tuners will handle it.
>
> _____
>
> No arguement on the rig. I think maybe, instead of an ebtry level radio, consider the next level up if yo ucan afford it. I started with an IC-735 but moved up to an IC-746Pro a year later. But you gotta start somewhere. I've heard that the TS-590 is a lot of bang for your buck. The ones I've heard on the air sound pretty good.
>
> Concerning the G5RV, I've found the tuner in the 746 does a fine job on it with the exception of 17m. I had always heard grumbling about the G5RV, but after losing a tree which was one of three supports for a loop I had to put something up that only needed two supports and tried the G5RV. I am really surprised at how well it works, especially on 75m. On 40m I talked down to LA with < 10W. Completely anecdotal with no definitive testing, but pleasently surprising. Wonder antenna? No. But my point is that the tuner in my radio tunes it pretty well.
>
> I've had a 135' doublet and found that to be a good performer, but it definitely needs a tuner with more range than an internal one.
>
> Bill W2NVD
>

19933. Re: [ham-antennas] wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-27 21:59:09 UTC
From: Art Nienhouse
Topic: 19929 Message: 19933

The Hustler G7 is the mother of all 144mhz verticals.

Regards
Art
ka9zap

19934. RE: [ham-antennas] wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-28 00:45:07 UTC
From: Richard Schmuke
Topic: 19929 Message: 19934

I agree the G7 is good but you can make one with a stick of grey PVC and a little bit of wire. 5/8 lower section 3/8 hair pin to match and a 5/8 top section. There is a picture of one of mine in the photo section marked, 2m stacked. Lower is a standard J-Pole then a additional 5/8 wave on top. It is much easier to make then a coaxial collinear as a high gain 2m vert. The coaxial collinear can be made into a higher gain than the stacked J-Pole but you have to do a velocity factor adjustment for whatever you encapsulate it with so it can't be tested until complete and if a adjustment it needed you have many sections of coax to trim and solder back together.

Rich , Kd0zz

Subject: Re: [ham-antennas] wich is the best 144Mhz vertical(more gain,longest)?

The Hustler G7 is the mother of all 144mhz verticals.

Regards
Art
ka9zap

[Non-text portions of this message have been removed]

19935. Re: [ham-antennas] wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-28 01:32:30 UTC
From: Stan Labinsky Jr.
Topic: 19929 Message: 19935

Or, you can make a double 5/8 ths wave collinear as described below out of 1/2 inch copper pipe. Been running one since '94... fed with 450 ohm ladder line, a 300 ohm Q section and a half wave coaxial balun to get down to 50 ohms unbalanced at the shack.

Or you can just use the balun at the J section and run coax all the way. I just did it this way to have the least loss and to see if it'd work.

Either way... have fun.

Stan

----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 27, 2011 8:45 PM
Subject: RE: [ham-antennas] wich is the best 144Mhz vertical(more gain,longest)?

I agree the G7 is good but you can make one with a stick of grey PVC and a little bit of wire. 5/8 lower section 3/8 hair pin to match and a 5/8 top section. There is a picture of one of mine in the photo section marked, 2m stacked. Lower is a standard J-Pole then a additional 5/8 wave on top. It is much easier to make then a coaxial collinear as a high gain 2m vert. The coaxial collinear can be made into a higher gain than the stacked J-Pole but you have to do a velocity factor adjustment for whatever you encapsulate it with so it can't be tested until complete and if a adjustment it needed you have many sections of coax to trim and solder back together.

Rich , Kd0zz

Subject: Re: [ham-antennas] wich is the best 144Mhz vertical(more gain,longest)?

The Hustler G7 is the mother of all 144mhz verticals.

Regards
Art
ka9zap

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19936. Before You Put The Coax Seal On That New Antenna.....

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-28 01:40:00 UTC
From: pchapman920
Topic: 19936 Message: 19936

Test it a lot. Rag chew, make a lot of contacts, cruise the band. I just made that mistake, and it does not come off very easily. It was a commercially made antenna. After setting to about ten watts on 20......hmmm...1.2:1 not so bad....lets find the flat spot to see if I need to let out or bring in the ends....move 50khz, still 10 watts...3-4 seconds key down.....then infinity SWR and signals vanish. A five foot open coax jumper pulls in signals better. This must be a hard short in the center feed capsule termination, or I did a bad solder job on the 259, and braid hair arced over..... Pulled the antenna down and separated the coax feed. Get out both my 40 year old analog and Fluke's Amprobe AM-60.....(So far a pretty decent auto or manual range meter with memory.) Coax is clean...even put gator clips on the 259's and swirled them in the air to try and re-create any possible shorts.....none.

Rather than worry about it today, I dug out a center insulator and some antenna wire and went back to work to get something in the air and on twenty. Should finish it tomorrow.

Getting new dipole up now kind of anti-climatic. The interesting part will be geting out the Dremel tool when I have time to open the capsule and examine the workmanship inside, and find out why it failed.

19937. wiser heads than mine

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-28 14:59:34 UTC
From: jo barden
Topic: 19937 Message: 19937

Hi All

I am using a FT450 feeding a OCFD and crappie vertical half wave with coax switch and autotuner. I have just made a relay box similar to the one on the Royal Signals Amateur Radio Society website. ie. in the de energised state the antenna caox's are grounded both inner and shield. Straight through when energised (Sheild still grounded), each coax has 2 relays in parallel switching only the inner each rated at 12A .The relays are mounted on circuit board etched by me. So all working and connected it up to antennas and my LDG Z11 pro11 and it goes through tuning cycle when on a frequency that it was already tuned to. So just measured inductance and capacitance of unit as follows:-

Capacitance= 20pf relays energised and de-energised
Inductance= 120uH relays de-energised
each relay when energised adds a further 20uH

which I make the resonant frequency of the unit as 425Khz

So what I am asking is it OK to use? or should I redesign.

Thanks

Jon

G6UWK

[Non-text portions of this message have been removed]

19938. (no subject)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-29 16:07:00 UTC
From: Marlin Brown
Topic: 19938 Message: 19938

. http://www.trenzinhomagico.com.br/friend_invite.php?boID=24wu7

19939. RE: [ham-antennas]

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-29 16:16:00 UTC
From: Greg DeChant
Topic: 19938 Message: 19939

Me thinks someone’s computer is infected.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Marlin Brown
Sent: Thursday, September 29, 2011 12:07 PM
To: groupsupdates@...oups.yahoo.com; ham-antennas-owner@yahoogroups.com; ham-antennas@yahoogroups.com; hamshelpinghams-owner@yahoogroups.com; hansen@...
Subject: [ham-antennas]

. http://www.trenzinhomagico.com.br/friend_invite.php?boID=24wu7

[Non-text portions of this message have been removed]

19940. Re: [ham-antennas]

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-29 17:27:46 UTC
From: Skyler
Topic: 19940 Message: 19940

Yours or mine?
----- Original Message -----
From: Greg DeChant
To: ham-antennas@yahoogroups.com
Sent: Thursday, September 29, 2011 12:16 PM
Subject: RE: [ham-antennas]

Me thinks someone’s computer is infected.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Marlin Brown
Sent: Thursday, September 29, 2011 12:07 PM
To: groupsupdates@...; ham-antennas-owner@yahoogroups.com; ham-antennas@yahoogroups.com; hamshelpinghams-owner@yahoogroups.com; hansen@...
Subject: [ham-antennas]

. http://www.trenzinhomagico.com.br/friend_invite.php?boID=24wu7

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19941. RE: [ham-antennas]

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-29 17:43:45 UTC
From: Greg DeChant
Topic: 19940 Message: 19941

Not mine. The link that was posted takes ya'll to a Canadian Pharmacy site.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Skyler
Sent: Thursday, September 29, 2011 1:28 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas]

Yours or mine?
----- Original Message -----
From: Greg DeChant
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, September 29, 2011 12:16 PM
Subject: RE: [ham-antennas]

Me thinks someone's computer is infected.

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Marlin Brown
Sent: Thursday, September 29, 2011 12:07 PM
To: groupsupdates@...m <mailto:groupsupdates%40returns.groups.yahoo.com> ; ham-antennas-owner@yahoogroups.com <mailto:ham-antennas-owner%40yahoogroups.com> ; ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> ; hamshelpinghams-owner@yahoogroups.com <mailto:hamshelpinghams-owner%40yahoogroups.com> ; hansen@... <mailto:hansen%40kc.rr.com>
Subject: [ham-antennas]

. http://www.trenzinhomagico.com.br/friend_invite.php?boID=24wu7

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19942. Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-29 23:55:50 UTC
From: NoelSpears - N2OEL
Topic: 19929 Message: 19942

I like the Comet GP-9 - About 18 foot high over my chimney. Small wind load. Dual band to match my rig. It survived Irene in NJ. --- Description is:
COMET 146/445 MHz Dual Band Vertical Fiberglass Base Antenna. Max Power Rating: 200 Watts, Height: 17' 8", Connector: UHF or Type N, Weight: 6 lbs, Gain: 8.5/11.9 dB --- with 8.5 DB gain on 2 meters about 50 watts in will give you almost 400 watts ERP. On 440, 50 watts in will give you about 800 watts out ERP.

N2OEL

>
> ----- Original Message -----
> From: Zoli
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, September 27, 2011 5:06 PM
> Subject: [ham-antennas] wich is the best 144Mhz vertical(more gain,longest)?
>
>
>
> wich is the best 144Mhz vertical(more gain,longest)?
>
> Thanks
> Zoli
>
>
>
>

19943. RE:

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-30 15:13:16 UTC
From: Marlin Brown
Topic: 19943 Message: 19943

Sorry for this guys. I found out yesterday my email address was hijacked. I changed my password. I hope this solves the problem.
Marlin
KC0O

[Non-text portions of this message have been removed]

19944. Re: RE:

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-30 17:27:04 UTC
From: AB2ZY
Topic: 19943 Message: 19944

It probably won't.

The chances are 99.999% that the email didn't come from your account, but from a spammer who says it was coming from you.

Yahoo does nothing to verify that email actually originates from the domain it claims to be from.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Marlin Brown <kc0o.mbrown@...> wrote:
>
> Sorry for this guys. I found out yesterday my email address was hijacked. I
> changed my password. I hope this solves the problem.
> Marlin
> KC0O
>
>
> [Non-text portions of this message have been removed]
>

19945. Re: [ham-antennas] RE:

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-30 18:34:25 UTC
From: From the desk of Allan Bell
Topic: 19943 Message: 19945

Marlin,

I had that happen to me awhile back but just changing the password doesn’t always help as in my case, I changed the password but spam was still being sent from my email account to everybody in my address book.

Here is what I did, I changed my password to something more secure and I made a database file and put “all” my contacts in that database file and then deleted them from my address book. Anytime I want to send somebody an email I go to the database file and click on their email address and it brings up email screen so I can send them an email. I also have to log in each time I want to check email unless I don’t close my email program.
Since doing that the spam has stopped.

Allan

From: Marlin Brown
Sent: Friday, September 30, 2011 8:13 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE:

Sorry for this guys. I found out yesterday my email address was hijacked. I changed my password. I hope this solves the problem.
Marlin
KC0O

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19946. Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-30 18:57:32 UTC
From: Don
Topic: 19929 Message: 19946

The one highest in the air! Height is might on VHF/UHF so if possible spend extra time/money to get your VHF/UHF antenna as high as you can afford and safely do so, it will pay off for more coverage (you can have the best high gain antenna there is to buy or make but if you have it low to the ground for VHF/UHF your coverage will be less than less gain antenna high in the air to send that signal out over terrain/obstructions). GL

Don KB9UMT
http://www.30mdg.net
http://groups.yahoo.com/group/HamRadioHelpGroup/

--- In ham-antennas@yahoogroups.com, "Zoli" <szegedyzoltan@...> wrote:
>
> wich is the best 144Mhz vertical(more gain,longest)?
>
> Thanks
> Zoli
>

19947. Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-09-30 23:22:03 UTC
From: Dave Oldridge
Topic: 19929 Message: 19947

On 30/09/2011 11:57 AM, Don wrote:
> The one highest in the air! Height is might on VHF/UHF so if possible spend extra time/money to get your VHF/UHF antenna as high as you can afford and safely do so, it will pay off for more coverage (you can have the best high gain antenna there is to buy or make but if you have it low to the ground for VHF/UHF your coverage will be less than less gain antenna high in the air to send that signal out over terrain/obstructions). GL
>

While height is might, generally speaking, there is one major caveat.
That is feedline losses. It does not help to put an antenna so high
that all signals, both sent and received are pretty much absorbed in the
coax. I used to work at a site where we used VHF a lot. At one point,
management decided we needed a 300 foot tower. It was installed but the
antennas were almost useless until the feedline was replace with coax as
thick as my wrist. The other way to deal with this problem is to remote
the radio to the tower top. But be sure, heliax is your friend when it
comes to VHF or UHF and high towers.

--
Dave Oldridge
Skype: daveoldridge
Ham Radio: VA7CZ

Scanned with AntiVir MailGuard v10.0.1.42 AVE 8.2.6.68 VDF 7.11.15.84

[Non-text portions of this message have been removed]

19948. Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 00:21:03 UTC
From: dean
Topic: 19929 Message: 19948

Are we talking FM or SSB/CW. Just curious. I live in the mountains and hit a lot of repeaters not local. I'm mostly using 5 W's of power. My Diamond X50 is up 20 ft. and works quite well.

73, WY6L

From: Dave Oldridge
Sent: Friday, September 30, 2011 4:22 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

On 30/09/2011 11:57 AM, Don wrote:
> The one highest in the air! Height is might on VHF/UHF so if possible spend extra time/money to get your VHF/UHF antenna as high as you can afford and safely do so, it will pay off for more coverage (you can have the best high gain antenna there is to buy or make but if you have it low to the ground for VHF/UHF your coverage will be less than less gain antenna high in the air to send that signal out over terrain/obstructions). GL
>

While height is might, generally speaking, there is one major caveat.
That is feedline losses. It does not help to put an antenna so high
that all signals, both sent and received are pretty much absorbed in the
coax. I used to work at a site where we used VHF a lot. At one point,
management decided we needed a 300 foot tower. It was installed but the
antennas were almost useless until the feedline was replace with coax as
thick as my wrist. The other way to deal with this problem is to remote
the radio to the tower top. But be sure, heliax is your friend when it
comes to VHF or UHF and high towers.

--
Dave Oldridge
Skype: daveoldridge
Ham Radio: VA7CZ

Scanned with AntiVir MailGuard v10.0.1.42 AVE 8.2.6.68 VDF 7.11.15.84

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19949. Please Note: Yahoo Groups will be Down for Maintenance.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 00:29:34 UTC
From: van wd8aam
Topic: 19949 Message: 19949

>Yahoo! Groups will be unavailable for 4 hours from Monday, October
>3rd starting 8:30 p.m. PST to Tuesday,October 4th 00:30 PST, due to
>planned maintenance. If there is any change to this schedule, we
>will update the information here

[Non-text portions of this message have been removed]

19950. Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 04:09:39 UTC
From: Adrian Flynn
Topic: 19929 Message: 19950

Whats the difference?
2 meter VERTICAL is 2 meter VERTICAL.
73
Adrian KF7DYU

On Fri, Sep 30, 2011 at 8:21 PM, dean <deanf@...> wrote:

> **
>
>
> Are we talking FM or SSB/CW. Just curious. I live in the mountains and hit
> a lot of repeaters not local. I?m mostly using 5 W?s of power. My Diamond
> X50 is up 20 ft. and works quite well.
>
> 73, WY6L
>
> From: Dave Oldridge
> Sent: Friday, September 30, 2011 4:22 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more
> gain,longest)?
>
>
> On 30/09/2011 11:57 AM, Don wrote:
> > The one highest in the air! Height is might on VHF/UHF so if possible
> spend extra time/money to get your VHF/UHF antenna as high as you can afford
> and safely do so, it will pay off for more coverage (you can have the best
> high gain antenna there is to buy or make but if you have it low to the
> ground for VHF/UHF your coverage will be less than less gain antenna high in
> the air to send that signal out over terrain/obstructions). GL
> >
>
> While height is might, generally speaking, there is one major caveat.
> That is feedline losses. It does not help to put an antenna so high
> that all signals, both sent and received are pretty much absorbed in the
> coax. I used to work at a site where we used VHF a lot. At one point,
> management decided we needed a 300 foot tower. It was installed but the
> antennas were almost useless until the feedline was replace with coax as
> thick as my wrist. The other way to deal with this problem is to remote
> the radio to the tower top. But be sure, heliax is your friend when it
> comes to VHF or UHF and high towers.
>
> --
> Dave Oldridge

> Skype: daveoldridge
> Ham Radio: VA7CZ
>
> ----------
>
> Scanned with AntiVir MailGuard v10.0.1.42 AVE 8.2.6.68 VDF 7.11.15.84
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

19951. Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 11:03:32 UTC
From: DVC3565@aol.com
Topic: 19929 Message: 19951

Adrian: Now don't go showing off your lack of knowledge of vertical antennas. I think it would
be wise for you to "learn" a little bit about them, before making such a totally uninformed
statement. Read up on it a little...then come back to discuss it as a ham 'learning"
experience. Aaah..to be young again!
73, Es happy hamming!
Dave-KJ4PF

In a message dated 10/1/2011 12:10:25 A.M. Eastern Daylight Time, ADRIANJAMESFLYNN@... writes:

Whats the difference?
2 meter VERTICAL is 2 meter VERTICAL.
73
Adrian KF7DYU

On Fri, Sep 30, 2011 at 8:21 PM, dean <deanf@...> wrote:

Are we talking FM or SSB/CW. Just curious. I live in the mountains and hit a lot of repeaters not local. I’m mostly using 5 W’s of power. My Diamond X50 is up 20 ft. and works quite well.

73, WY6L

[Non-text portions of this message have been removed]

19952. RE: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 11:58:12 UTC
From: KA9EGW
Topic: 19929 Message: 19952

SSB/CW usually run horizontal polarization in these parts...
73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Adrian Flynn
Sent: Friday, September 30, 2011 11:10 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

Whats the difference?
2 meter VERTICAL is 2 meter VERTICAL.
73
Adrian KF7DYU

On Fri, Sep 30, 2011 at 8:21 PM, dean <deanf@...> wrote:

> **
>
>
> Are we talking FM or SSB/CW. Just curious. I live in the mountains and
> hit a lot of repeaters not local. I'm mostly using 5 W's of power. My
> Diamond
> X50 is up 20 ft. and works quite well.
>
> 73, WY6L
>
> From: Dave Oldridge
> Sent: Friday, September 30, 2011 4:22 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more
> gain,longest)?
>
>
> On 30/09/2011 11:57 AM, Don wrote:
> > The one highest in the air! Height is might on VHF/UHF so if
> > possible
> spend extra time/money to get your VHF/UHF antenna as high as you can
> afford and safely do so, it will pay off for more coverage (you can
> have the best high gain antenna there is to buy or make but if you
> have it low to the ground for VHF/UHF your coverage will be less than
> less gain antenna high in the air to send that signal out over
> terrain/obstructions). GL
> >

>
> While height is might, generally speaking, there is one major caveat.
> That is feedline losses. It does not help to put an antenna so high
> that all signals, both sent and received are pretty much absorbed in
> the coax. I used to work at a site where we used VHF a lot. At one
> point, management decided we needed a 300 foot tower. It was installed
> but the antennas were almost useless until the feedline was replace
> with coax as thick as my wrist. The other way to deal with this
> problem is to remote the radio to the tower top. But be sure, heliax
> is your friend when it comes to VHF or UHF and high towers.
>
> --
> Dave Oldridge
> Skype: daveoldridge
> Ham Radio: VA7CZ
>
> ----------
>
> Scanned with AntiVir MailGuard v10.0.1.42 AVE 8.2.6.68 VDF 7.11.15.84
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19953. RE: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 12:00:30 UTC
From: jo barden
Topic: 19929 Message: 19953

same this side of the pond, Tonna used to do a crossed yagi that was very useful for 2mDX, that was in about 1985 though.

old foggy

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: ka9egw@...
Date: Sat, 1 Oct 2011 06:58:12 -0500
Subject: RE: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

SSB/CW usually run horizontal polarization in these parts...

73, Brian KA9EGW

-----Original Message-----

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On

Behalf Of Adrian Flynn

Sent: Friday, September 30, 2011 11:10 PM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more

gain,longest)?

Whats the difference?

2 meter VERTICAL is 2 meter VERTICAL.

73

Adrian KF7DYU

On Fri, Sep 30, 2011 at 8:21 PM, dean <deanf@...> wrote:

> **

>

>

> Are we talking FM or SSB/CW. Just curious. I live in the mountains and

> hit a lot of repeaters not local. I'm mostly using 5 W's of power. My

> Diamond

> X50 is up 20 ft. and works quite well.

>

> 73, WY6L

>

> From: Dave Oldridge

> Sent: Friday, September 30, 2011 4:22 PM

> To: ham-antennas@yahoogroups.com

> Subject: Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more

> gain,longest)?

>

>

> On 30/09/2011 11:57 AM, Don wrote:

> > The one highest in the air! Height is might on VHF/UHF so if

> > possible

> spend extra time/money to get your VHF/UHF antenna as high as you can

> afford and safely do so, it will pay off for more coverage (you can

> have the best high gain antenna there is to buy or make but if you

> have it low to the ground for VHF/UHF your coverage will be less than

> less gain antenna high in the air to send that signal out over

> terrain/obstructions). GL

> >

>

> While height is might, generally speaking, there is one major caveat.

> That is feedline losses. It does not help to put an antenna so high

> that all signals, both sent and received are pretty much absorbed in

> the coax. I used to work at a site where we used VHF a lot. At one

> point, management decided we needed a 300 foot tower. It was installed

> but the antennas were almost useless until the feedline was replace

> with coax as thick as my wrist. The other way to deal with this

> problem is to remote the radio to the tower top. But be sure, heliax

> is your friend when it comes to VHF or UHF and high towers.

>

> --

> Dave Oldridge

> Skype: daveoldridge

> Ham Radio: VA7CZ

>

> ----------

>

> Scanned with AntiVir MailGuard v10.0.1.42 AVE 8.2.6.68 VDF 7.11.15.84

>

> [Non-text portions of this message have been removed]

>

> [Non-text portions of this message have been removed]

>

>

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause

for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

19954. wire antenna knots

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 13:56:05 UTC
From: Lurch
Topic: 19954 Message: 19954

In the process of assembling my new Windom...using Ladder Snap so no solder joints. Curious to know others' experience with the best knot for the ropes from the end insulators to the supports?
Thanks!
73, Brian KA9EGW

19955. 2m slim jim design

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 14:11:01 UTC
From: tivoligardens@yahoo.com
Topic: 19955 Message: 19955

Hello all

On some the the designs I have found they have the top of the twin lead connect together on others they dont.

I also the lenghts are not consistant.

Do someone have a working design

Hal w4hal

19956. Re: [ham-antennas] 2m slim jim design

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 15:51:01 UTC
From: GLORIA WELLS
Topic: 19955 Message: 19956

I have built 3 of these, one in PVC pipe, a little shorter and dual band and 2 for field use with a hook at the top.

Gloria
KK4DXM

--- On Sat, 10/1/11, tivoligardens@... <tivoligardens@...> wrote:

From: tivoligardens@... <tivoligardens@...>
Subject: [ham-antennas] 2m slim jim design
To: ham-antennas@yahoogroups.com
Date: Saturday, October 1, 2011, 10:11 AM

Hello all

On some the the designs I have found they have the top of the twin lead connect together on others they dont.

I also the lenghts are not consistant.

Do someone have a working design

Hal w4hal

[Non-text portions of this message have been removed]

19957. Portable / Mobile NVIS Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 16:33:08 UTC
From: Tom
Topic: 19957 Message: 19957

Anyone have success stories with portable NVIS antennas?
Presently I'm trying dual Hamsticks (dipole) mounted on a tripod between 5 and 8 feet above ground. Very poor performance compared to a standard 40/80 meter wire dipole at 6 feet above ground (as I would expect) I also have a couple of "BuddySticks" I'm going to try.
I'm really interested in building a magnetic loop antenna as in the camouflaged automobile "roof rack" design.
Some background:
http://www.stealth.ae/plugins/custompages/detinf.php?id=372&id_categorie\
s=136
<http://www.stealth.ae/plugins/custompages/detinf.php?id=372&id_categori\
es=136>
http://stealth.ae/plugins/custompages/articles.php?id=10
<http://stealth.ae/plugins/custompages/articles.php?id=10>
http://www.standpipe.com/w2bri <http://www.standpipe.com/w2bri/> /
http://aa5tb.com/loop.html <http://aa5tb.com/loop.html>

Before I start bending tube and buying vacuum variable caps, I wanted to hear what anyone is using for a quick deployable NVIS setup.
Thanks,Tom N3UJM

[Non-text portions of this message have been removed]

19958. Re: Portable / Mobile NVIS Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 16:35:27 UTC
From: Tom
Topic: 19957 Message: 19958

Please excuse the messed up duplicate links.

Tom, N3UJM

19959. (re) Knots

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 17:01:20 UTC
From: Clint Talmadge
Topic: 19959 Message: 19959

In the process of assembling my new Windom...using Ladder Snap so no solder joints. Curious to know others' experience with the best knot for the ropes from the end insulators to the supports?
Thanks!
73, Brian KA9EGW

Learn how to tie a bowline. How to tie a Bowline<http://www.apparent-wind.com/knots/bowline/>
It can be un-tied when the rope stretches or when the tree over which you have the line sags a bit.

--
Clint Talmadge - W5CPT -

[Non-text portions of this message have been removed]

19960. Re: 2m slim jim design

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 17:30:54 UTC
From: tivoligardens@yahoo.com
Topic: 19955 Message: 19960

did you use twin-lead and if so can you send me measurements ?

Thanks

--- In ham-antennas@yahoogroups.com, GLORIA WELLS <GloriaW4@...> wrote:
>
> I have built 3 of these, one in PVC pipe, a little shorter and dual band and 2 for field use with a hook at the top.
> Â
> Gloria
> KK4DXM
>
> --- On Sat, 10/1/11, tivoligardens@... <tivoligardens@...> wrote:
>
>
> From: tivoligardens@... <tivoligardens@...>
> Subject: [ham-antennas] 2m slim jim design
> To: ham-antennas@yahoogroups.com
> Date: Saturday, October 1, 2011, 10:11 AM
>
>
> Â
>
>
>
> Hello all
>
> On some the the designs I have found they have the top of the twin lead connect together on others they dont.
>
> I also the lenghts are not consistant.
>
> Do someone have a working design
>
> Hal w4hal
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

19961. Re: [ham-antennas] (re) Knots

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 20:51:27 UTC
From: Ken Burchfield
Topic: 19959 Message: 19961

Good advice by Clint,
Bowline is my choice for tying rope for antenna work!
73 Ken k5jxl

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: Clint Talmadge <clinttalmadge@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 1, 2011 12:01 PM
Subject: [ham-antennas] (re) Knots

In the process of assembling my new Windom...using Ladder Snap so no solder joints. Curious to know others' experience with the best knot for the ropes from the end insulators to the supports?
Thanks!
73, Brian KA9EGW

Learn how to tie a bowline. How to tie a Bowline<http://www.apparent-wind.com/knots/bowline/>
It can be un-tied when the rope stretches or when the tree over which you have the line sags a bit.

--
Clint Talmadge - W5CPT -

[Non-text portions of this message have been removed]

19962. Re: [ham-antennas] (re) Knots

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 21:32:40 UTC
From: John P.
Topic: 19959 Message: 19962

Also.....

Tie a retrieval line (light rope) to the insulator so that if the antenna wire breaks you will not have the insulator and support rope permanently stuck in the tree.

John - WA2HIP
http://wa2hip.com

--- On Sat, 10/1/11, Clint Talmadge <clinttalmadge@...> wrote:

From: Clint Talmadge <clinttalmadge@...>
Subject: [ham-antennas] (re) Knots
To: ham-antennas@yahoogroups.com
Date: Saturday, October 1, 2011, 1:01 PM

In the process of assembling my new Windom...using Ladder Snap so no solder

joints. Curious to know others' experience with the best knot for the ropes

from the end insulators to the supports?

Thanks!

73, Brian KA9EGW

Learn how to tie a bowline. How to tie a

Bowline<http://www.apparent-wind.com/knots/bowline/>

It can be un-tied when the rope stretches or when the tree over which you

have the line sags a bit.

--

Clint Talmadge - W5CPT -

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19963. Re: (re) Knots

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-01 22:22:21 UTC
From: mikeve2th2002
Topic: 19959 Message: 19963

Hello Brian and Clint,

Check this link, it's amazing, you can see in action all kinds of knots for any needs.

http://www.animatedknots.com/purchase.php?LogoImage=LogoGrog.jpg&Website=www.animatedknots.com

Sure you will find a couple which will help a lot.

73 Michel VE2TH QRP

--- In ham-antennas@yahoogroups.com, Clint Talmadge <clinttalmadge@...> wrote:
>
> In the process of assembling my new Windom...using Ladder Snap so no solder
> joints. Curious to know others' experience with the best knot for the ropes
> from the end insulators to the supports?
> Thanks!
> 73, Brian KA9EGW
>
> Learn how to tie a bowline. How to tie a
> Bowline<http://www.apparent-wind.com/knots/bowline/>
> It can be un-tied when the rope stretches or when the tree over which you
> have the line sags a bit.
>
> --
> *Clint Talmadge* - W5CPT -
>
>
> [Non-text portions of this message have been removed]
>

19964. Re: [ham-antennas] Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-02 01:35:44 UTC
From: Dave Oldridge
Topic: 19929 Message: 19964

On 30/09/2011 5:21 PM, dean wrote:
> Are we talking FM or SSB/CW. Just curious. I live in the mountains and hit a lot of repeaters not local. I’m mostly using 5 W’s of power. My Diamond X50 is up 20 ft. and works quite well.

Actually, I have had good results on 2M SSB and CW with antennas that were rooftop high. Typically 200 miles with 160W. With a KW, an ocean path and a 19 element antenna at 85 feet, 500 miles was readily possible on CW with just forward scatter and no ducting.

--
Dave Oldridge
Skype: daveoldridge
Ham Radio: VA7CZ

Scanned with AntiVir MailGuard v10.0.1.42 AVE 8.2.6.68 VDF 7.11.15.84

[Non-text portions of this message have been removed]

19965. Re: wich is the best 144Mhz vertical(more gain,longest)?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-02 02:31:28 UTC
From: Mike Rodgers
Topic: 19929 Message: 19965

If your talking fm, height and coax are most important. Coax especially on 432. Get lmr400 if you can, about $1/ft

If your talking cw/ssb you need a horizontal sqalo, big wheel or beam.

A friend recently got some Davis rf buryflex compatible with lmr 400 for $1/ft from associated radio.
I have seen it for $3/ft also.

73
Mike R

Sent from my spy ring

19966. hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-02 13:29:09 UTC
From: Skyler
Topic: 19966 Message: 19966

Hi here is a pic on the photo page under HF Beam. 6 element. There is a small 70 cm yagi above, please ignore that little element. Any help would be appreciated. It may be 15 or so years old. Thanks, skyler

[Non-text portions of this message have been removed]

19967. Re: hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-02 13:42:55 UTC
From: Sales
Topic: 19966 Message: 19967

The pic is under N8XB. Thanks, Skyler N8XB
--- In ham-antennas@yahoogroups.com, "Skyler" <Skyler@...> wrote:
>
> Hi here is a pic on the photo page under HF Beam. 6 element. There is a small 70 cm yagi above, please ignore that little element. Any help would be appreciated. It may be 15 or so years old. Thanks, skyler
>
> [Non-text portions of this message have been removed]
>

19968. anyone know much about a ISApole 144

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 00:01:19 UTC
From: ke7uyc
Topic: 19968 Message: 19968

Hi All anyone know much about a 2 meter ISAPOLE?

19969. Sorry for the SPAM

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 01:24:46 UTC
From: Larry Tooley
Topic: 19969 Message: 19969

On Oct 2, 2011 6:56 AM, "Larry Tooley" <wa9guu@hotmailcom> wrote:

"Your name here", I found this last night http//wwwnewsl3todaycom/ talk to you later

It is SPAM from:
NBC 13
BREAKING NEWS:
Single Mother from Mount Vernon is Really making $8,000+ a Month, Learn How How a Small Investment Turned Into $8,000+

So sorry you got this. I changed my weak password at Hotmail to stop it and warned NBC13 if it happens again I will forward it to the FTC.

Larry

"America is at that awkward stage. It's too late to work within the system and too soon to shoot the bastards."...Claire Wolf

CONFIDENTIALITY NOTE:
This e-mail and any attachments are baloney, If you are not the intended recipient, just think how much wood would a wood chuck chuck, if a wood chuck would chuck wood? I saw Esau sitting on a seesaw, and Esau he saw me. A skunk sat on a stump. The stump thought the skunk stunk, and the skunk thought the stump stunk. He threw three free throws. Argyle Gargoyle. She Sells 'C Cells' down by the Seashore. I''m not the fig plucker nor the fig plucker's son. But I'll pluck figs until the fig plucker comes.

[Non-text portions of this message have been removed]

19970. Mosley TA33 JR

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 01:43:34 UTC
From: paw_paw_nate
Topic: 19970 Message: 19970

Hello group,
I got the antenna cleaned up, straighten out, and ready to go in the air. It shines like a new mercury dime. My question is should I loop the coax @ the antenna and @ the other end also? How many loops? I guess this would serve as a balum. Can someone tell me a little more about the purpose of this? Also I'm putting a 2 meter Yagia on top of the tower above the TA33 JR, are there any certain distance that I need to put between them?

19971. Re: Mosley TA33 JR

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 01:49:14 UTC
From: VE3FMC
Topic: 19970 Message: 19971

Put your loop of coax at the deed point of the beam.

Put your 2 meter beam 6 feet above if possible.

--- In ham-antennas@yahoogroups.com, "paw_paw_nate" <nljohnson53@...> wrote:
>
> Hello group,
> I got the antenna cleaned up, straighten out, and ready to go in the air. It shines like a new mercury dime. My question is should I loop the coax @ the antenna and @ the other end also? How many loops? I guess this would serve as a balum. Can someone tell me a little more about the purpose of this? Also I'm putting a 2 meter Yagia on top of the tower above the TA33 JR, are there any certain distance that I need to put between them?
>

19972. Re: wire antenna knots

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 02:45:39 UTC
From: Paul
Topic: 19954 Message: 19972

My most used are bowline and stopper hitch.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "Lurch" <ka9egw@...> wrote:
>
> In the process of assembling my new Windom...using Ladder Snap so no solder joints. Curious to know others' experience with the best knot for the ropes from the end insulators to the supports?
> Thanks!
> 73, Brian KA9EGW
>

19973. Re: [ham-antennas] anyone know much about a ISApole 144

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 03:16:37 UTC
From: Robert Garland
Topic: 19968 Message: 19973

KE7UYC wrote:

> Hi All anyone know much about a 2 meter ISAPOLE?

All it takes is a search on Google:

Keyword: Isopole

http://www.isopole.com/english/homeen/homeen.htm

http://www.isopole.com/english/products-en/products-en.htm

From the picture, is looks like this is the place. Those Isopoles look familiar. Originally offered by AEA. They might have sold the product line to Spectral.

Reviews on eHam:

http://www.eham.net/reviews/detail/3505

Robert, NX3S

19974. Re: Mosley TA33 JR

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 03:34:49 UTC
From: Hal White
Topic: 19970 Message: 19974

Sent from my iPhone

19975. Re: [ham-antennas] Mosley TA33 JR

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 05:10:47 UTC
From: dean
Topic: 19970 Message: 19975

I have 8 turns of coax at the top of my beam. After I put up LMR 400 I'll be putting 21' on a 10" form. I like LMR-400 because of the extra shielding.

73, WY6L

From: paw_paw_nate
Sent: Sunday, October 02, 2011 6:43 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Mosley TA33 JR

Hello group,
I got the antenna cleaned up, straighten out, and ready to go in the air. It shines like a new mercury dime. My question is should I loop the coax @ the antenna and @ the other end also? How many loops? I guess this would serve as a balum. Can someone tell me a little more about the purpose of this? Also I'm putting a 2 meter Yagia on top of the tower above the TA33 JR, are there any certain distance that I need to put between them?

[Non-text portions of this message have been removed]

19976. Re: [ham-antennas] Mosley TA33 JR

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 13:58:07 UTC
From: Joe
Topic: 19970 Message: 19976

I used a W2AU Balun with mine and was very happy with the results.
Pattern seemed more dead on, and it seemed quieter, Maybe the coax being
grounded at the feed point did that? But of course this was the big
brother also the TA-33 not junior.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/3/2011 12:10 AM, dean wrote:
> I have 8 turns of coax at the top of my beam. After I put up LMR 400 I'll be putting 21' on a 10" form. I like LMR-400 because of the extra shielding.
>
> 73, WY6L
>
>
> From: paw_paw_nate
> Sent: Sunday, October 02, 2011 6:43 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Mosley TA33 JR
>
>
> Hello group,
> I got the antenna cleaned up, straighten out, and ready to go in the air. It shines like a new mercury dime. My question is should I loop the coax @ the antenna and @ the other end also? How many loops? I guess this would serve as a balum. Can someone tell me a little more about the purpose of this? Also I'm putting a 2 meter Yagia on top of the tower above the TA33 JR, are there any certain distance that I need to put between them?
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

19977. Re:7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 15:09:06 UTC
From: Douglas Sharp
Topic: 19977 Message: 19977

. http://sure.cedecem.org.ar/fxizyrjvs4.html?iluckyid=f2um1

19978. Re: [ham-antennas] hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 15:17:52 UTC
From: Ken Burchfield
Topic: 19966 Message: 19978

Tell me agn where the picture is, I failed to located it.
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

_____
From: Skyler <Skyler@tampabay.rr.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 2, 2011 8:29 AM
Subject: [ham-antennas] hekp ID Please HF Beam

Hi here is a pic on the photo page under HF Beam. 6 element. There is a small 70 cm yagi above, please ignore that little element. Any help would be appreciated. It may be 15 or so years old. Thanks, skyler

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19979. Re: [ham-antennas] Re:7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 15:22:42 UTC
From: van wd8aam
Topic: 19977 Message: 19979

dougsharp@...

Your email password has been hacked, and your email account
is sending out spam. You are hereby moderated until problem
solved.
Van Lincoln
moderator, Ham-Antennas

At 15:09 10/3/2011, you wrote:
>.
><http://sure.cedecem.org.ar/fxizyrjvs4.html?iluckyid=f2um1>http://sure.cedecem.org.ar/fxi
zyrjvs4.html?iluckyid=f2um1

>
><mailto:dougsharp@...?subject=Re%3A7>Reply to sender |
><mailto:ham-antennas@yahoogroups.com?subject=Re%3A7>Reply to group |
><http://groups.yahoo.com/group/ham-antennas/post;_ylc=X3oDMTJyNzcyYzA2BF9TAzk3MzU5NzE0BGd
ycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMxOTk3NwRzZWMDZnRyBHNsawNycGx5BHN0aW1lA
zEzMTc2NTQ1NDk-?act=reply&messageNum=19977>Reply
>via web post |
><http://groups.yahoo.com/group/ham-antennas/post;_ylc=X3oDMTJmdHIybzdpBF9TAzk3MzU5NzE0BGd
ycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzEzMTc2NTQ1NDk->
Start
>a New Topic
><http://groups.yahoo.com/group/ham-antennas/message/19977;_ylc=X3oDMTM3ZTk4dmRkBF9TAzk3Mz
U5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMxOTk3NwRzZWMDZnRyBHNsawN2dHBj
BHN0aW1lAzEzMTc2NTQ1NDkEdHBjSWQDMTk5Nzc->Messages
>in this topic (1)
>Recent Activity:
> *
> <http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJndGozNzF0BF9TAzk3MzU5NzE
0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMzE3NjU0N
TQ5?o=6>New
> Members 17
> *
> <http://groups.yahoo.com/group/ham-antennas/spnew;_ylc=X3oDMTJnc2xvZjZwBF9TAzk3MzU5NzE0B
GdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2cGhvdARzdGltZQMxMzE3NjU0NTQ
5>New
> Photos 1
><http://groups.yahoo.com/group/ham-antennas;_ylc=X3oDMTJmc3MwbTU3BF9TAzk3MzU5NzE0BGdycElk
AzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEzMTc2NTQ1NDk->Visit
>Your Group
>HAM ANTENNAS Anything and everything, tell us or ask questions.
>Replies go to ALL 2586 members (as of 6/28/11). and attachments are
>NOT permitted.

[Non-text portions of this message have been removed]

19980. Re: [ham-antennas] hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 15:38:09 UTC
From: Skyler
Topic: 19966 Message: 19980

Hi it is under N8XB in photos 3rd or 4th page . Thanks----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler
Sent: Monday, October 03, 2011 11:17 AM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Tell me agn where the picture is, I failed to located it.
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

_____
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 2, 2011 8:29 AM
Subject: [ham-antennas] hekp ID Please HF Beam

Hi here is a pic on the photo page under HF Beam. 6 element. There is a small 70 cm yagi above, please ignore that little element. Any help would be appreciated. It may be 15 or so years old. Thanks, skyler

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19981. Re: [ham-antennas] Re:7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 16:15:58 UTC
From: Frank Kirschner
Topic: 19977 Message: 19981

As has been pointed out before, it probably has nothing to do with his password. Spammers can send out email with any return email address they choose. They happened to use his this time. Changing his password won't stop that.

If they had logged into his account and used it to send out the spam, the messages would still be in his sent items folder. Most likely, they're not.

73,
Frank
KF6E

On Mon, Oct 3, 2011 at 11:22 AM, van wd8aam <vlincoln@...>wrote:

> **
>
>
> dougsharp@...
>
> Your email password has been hacked, and your email account
> is sending out spam. You are hereby moderated until problem
> solved.
> Van Lincoln
> moderator, Ham-Antennas
>
>

[Non-text portions of this message have been removed]

19982. Re: [ham-antennas] Re:7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 16:18:49 UTC
From: Richard Solomon
Topic: 19977 Message: 19982

Anytime I see an e-mail with only a link in it, I delete it, quick. I don't
care if it
came from my best friend, I trash it. The reason that virus gets around so
much
is people are curious, and you see the result.

73, Dick, W1KSZ

On Mon, Oct 3, 2011 at 9:15 AM, Frank Kirschner <frank@...t>wrote:

> **
>
>
> As has been pointed out before, it probably has nothing to do with his
> password. Spammers can send out email with any return email address they
> choose. They happened to use his this time. Changing his password won't
> stop that.
>
> If they had logged into his account and used it to send out the spam, the
> messages would still be in his sent items folder. Most likely, they're not.
>
> 73,
> Frank
> KF6E
>
> On Mon, Oct 3, 2011 at 11:22 AM, van wd8aam <vlincoln@...
> >wrote:
>
> > **
> >
> >
> > dougsharp@...
> >
> > Your email password has been hacked, and your email account
> > is sending out spam. You are hereby moderated until problem
> > solved.
> > Van Lincoln
> > moderator, Ham-Antennas
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

19983. Re: Mosley TA33 JR

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 16:50:20 UTC
From: Mike Rodgers
Topic: 19970 Message: 19983

The purpose is to choke off the currents that may travel down the outside of coax. A 1:1 unun will do same so no need at shack end.
Google ugly balun for all kinds of info.

73
Mike R

Sent from my spy ring

19984. Re: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 17:10:38 UTC
From: chas
Topic: 19970 Message: 19984

On 10/3/11 11:50 AM, Mike Rodgers wrote:
> The purpose is to choke off the currents that may travel down the outside
> of coax. A 1:1 unun will do same so no need at shack end. Google ugly
> balun for all kinds of info.
>
> 73 Mike R
>

curious... what size rotor do I need when I put my TA-33 up on my tower?
thanks

Chas k5dam

--
A: Because it messes up the order in which people normally read text. <B>
Q: Why is top-posting such a bad thing?<B>
A: Top-posting. <b>
Q: What is the most annoying thing in e-mail? <B>

.

19985. Re: Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 17:20:14 UTC
From: AB2ZY
Topic: 19970 Message: 19985

One that can handle the wind load - 4.3 sq ft for the TA-33-JR-N.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, chas <chasm@...> wrote:
>
> On 10/3/11 11:50 AM, Mike Rodgers wrote:
> > The purpose is to choke off the currents that may travel down the outside
> > of coax. A 1:1 unun will do same so no need at shack end. Google ugly
> > balun for all kinds of info.
> >
> > 73 Mike R
> >
>
> curious... what size rotor do I need when I put my TA-33 up on my tower?
> thanks
>
> Chas k5dam
>
>
>
> --
> A: Because it messes up the order in which people normally read text. <B>
> Q: Why is top-posting such a bad thing?<B>
> A: Top-posting. <b>
> Q: What is the most annoying thing in e-mail? <B>
>
> .
>

19986. G5RV or Buckmaster Diapole...why are some bare wire or coated? Is one better?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 17:21:56 UTC
From: kb1kln_73
Topic: 19986 Message: 19986

Hi,

I was wondering why I see advertized that the G5RV's sometimes come with bare braided wire or coated braided wire? Does one perform better than the other?

The Buckmasters seem to come coated only (or at least that's all I can find)?

Any thoughts on performance?

Thanks

Jon (KB1KLN), 73.

19987. Re: G5RV or Buckmaster Diapole...why are some bare wire or coated? Is one better?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 17:32:27 UTC
From: AB2ZY
Topic: 19986 Message: 19987

No.

Al
AB2ZY

>
> Does one perform better than the other?
>

19988. Re: [ham-antennas] G5RV or Buckmaster Diapole...why are some bare wire or coated? Is one better?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 19:31:44 UTC
From: Frank Kirschner
Topic: 19986 Message: 19988

There's no difference in performance, but the bare wire will corrode faster, especially in a salt-air environment.

73,
Frank
KF6E

On Mon, Oct 3, 2011 at 1:21 PM, kb1kln_73 <jnormy31@...> wrote:

> **
>
>
> Hi,
>
> I was wondering why I see advertized that the G5RV's sometimes come with
> bare braided wire or coated braided wire? Does one perform better than the
> other?
>
> The Buckmasters seem to come coated only (or at least that's all I can
> find)?
>
> Any thoughts on performance?
>
> Thanks
>
> Jon (KB1KLN), 73.
>
>
>

[Non-text portions of this message have been removed]

19989. left over used antenna wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 21:28:16 UTC
From: pchapman920
Topic: 19989 Message: 19989

This is probably the dumb question of the month but.....

I have over 100 feet of stranded copper clad from an antenna I took down a while back. It has blackened from being in the elements for a number of years. I do not live in a salt air environment, so there is no burring or signs of corrosion. Have another antenna in mind I would like to build with it. Other than cleaning ends for solder joints, I can't think of any reason not to use it again.

Anyone know of a reason not to use it?

19990. RE: [ham-antennas] left over used antenna wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 22:35:53 UTC
From: KA9EGW
Topic: 19989 Message: 19990

Have you tried tarn-x?

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of pchapman920
Sent: Monday, October 03, 2011 4:28 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] left over used antenna wire

This is probably the dumb question of the month but.....

I have over 100 feet of stranded copper clad from an antenna I took down a while back. It has blackened from being in the elements for a number of years. I do not live in a salt air environment, so there is no burring or signs of corrosion. Have another antenna in mind I would like to build with it. Other than cleaning ends for solder joints, I can't think of any reason not to use it again.

Anyone know of a reason not to use it?

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

19991. Re: [ham-antennas] left over used antenna wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 22:43:13 UTC
From: Ron Youvan
Topic: 19989 Message: 19991

pchapman920 wrote:

> This is probably the dumb question of the month but.....

> I have over 100 feet of stranded copper clad from an antenna I took down a while back. It has
> blackened from being in the elements for a number of years. I do not live in a salt air environment,
> so there is no burring or signs of corrosion. Have another antenna in mind I would like to build
> with it. Other than cleaning ends for solder joints, I can't think of any reason not to use it again.

> Anyone know of a reason not to use it?

Not I.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

19992. Re: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 23:02:36 UTC
From: Joe Hutchens
Topic: 19970 Message: 19992

I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only been
up for 7 months.

Joe Hutchens (AJ8MH)
http://webpages.charter.net/aj8mh-radio/

On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:

> On 10/3/11 11:50 AM, Mike Rodgers wrote:
> The purpose is to choke off the currents that may travel down the
> outside
> of coax. A 1:1 unun will do same so no need at shack end. Google ugly
> balun for all kinds of info.
>
> 73 Mike R
>

curious... what size rotor do I need when I put my TA-33 up on my tower?
thanks

Chas k5dam

--
A: Because it messes up the order in which people normally read text.
<B>
Q: Why is top-posting such a bad thing?<B>
A: Top-posting. <b>
Q: What is the most annoying thing in e-mail? <B>

.

[Non-text portions of this message have been removed]

19993. Re: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 23:24:32 UTC
From: Joe
Topic: 19970 Message: 19993

I've even used an alliance U-110 for the senior version.

Rotors are far over rated.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/3/2011 6:02 PM, Joe Hutchens wrote:
> I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only been
> up for 7 months.
>
> Joe Hutchens (AJ8MH)
> http://webpages.charter.net/aj8mh-radio/
>
> On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:
>
> > On 10/3/11 11:50 AM, Mike Rodgers wrote:
>> The purpose is to choke off the currents that may travel down the
>> outside
>> of coax. A 1:1 unun will do same so no need at shack end. Google ugly
>> balun for all kinds of info.
>>
>> 73 Mike R
>>
> curious... what size rotor do I need when I put my TA-33 up on my tower?
> thanks
>
> Chas k5dam
>
>

[Non-text portions of this message have been removed]

19994. Re: [ham-antennas] hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 23:41:04 UTC
From: Ken Burchfield
Topic: 19966 Message: 19994

Skyler, take a look at Force 12,, C3s 6 element/

Tribander.http://www.texasantennas.com/index.php?option=com_content&view=article&id=64&Itemid=82
What you think??
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, October 3, 2011 10:38 AM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Hi it is under N8XB in photos 3rd or 4th page . Thanks----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler
Sent: Monday, October 03, 2011 11:17 AM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Tell me agn where the picture is, I failed to located it.
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 2, 2011 8:29 AM
Subject: [ham-antennas] hekp ID Please HF Beam

Hi here is a pic on the photo page under
HF Beam. 6 element. There is a small 70 cm yagi above, please ignore that little element.
Any help would be appreciated. It may be 15 or so years old. Thanks, skyler

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19995. Re: anyone know much about a ISApole 144

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 23:45:10 UTC
From: NoelSpears - N2OEL
Topic: 19968 Message: 19995

I bought a 2 meter Isopole from AEA in 1983. You have to supply the 10 foot pole. In 1999 I moved to a new QTH. Because I used Penatrox (Electrical ALU to COPPER Silcon Grease. It or the equivalent is found at Home Depot and many electrical supply houses) on the ALU skirts to the STEEL pole along with coax seal at the top of each of those funnel shaped skirts, the connection was like new. I redid it and put it up as a 2nd 2 meter antenna. It has about 5 db gain. Very rugged while in the air, easily bent or destroyed on the ground. Because the coax connection is internal, it is protected from the elements. For $40 more you can purchase a comet DB9 dual band, which is what I am using for my main 2 meter/440 antenna.

Noel N2OEL

--- In ham-antennas@yahoogroups.com, "ke7uyc" <ke7uyc@...> wrote:
>
> Hi All anyone know much about a 2 meter ISAPOLE?
>

19996. Re: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-03 23:52:46 UTC
From: Chuck Schultz
Topic: 19970 Message: 19996

Do you mean under rated ? I have owned the Ham IV and Tail Twister's in the past without a failure other than burnt out light bulbs . I am overlooking a lightning strike. I changed to the Yaesu rotors several years ago because I was tired of watching the beams swing back and forth about 10 degrees with the brake locked . The Yaesu does not move once it is looked . It is a little more pricey . For several years it was easier to computer control but that is a toss up these days . Chuck Wq5B
----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Cc: Joe Hutchens
Sent: Monday, October 03, 2011 6:24 PM
Subject: Re: [ham-antennas] Mosley TA33 and rotor sizing??

I've even used an alliance U-110 for the senior version.

Rotors are far over rated.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/3/2011 6:02 PM, Joe Hutchens wrote:
> I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only been
> up for 7 months.
>
> Joe Hutchens (AJ8MH)
> http://webpages.charter.net/aj8mh-radio/
>
> On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:
>
> > On 10/3/11 11:50 AM, Mike Rodgers wrote:
>> The purpose is to choke off the currents that may travel down the
>> outside
>> of coax. A 1:1 unun will do same so no need at shack end. Google ugly
>> balun for all kinds of info.
>>
>> 73 Mike R
>>
> curious... what size rotor do I need when I put my TA-33 up on my tower?
> thanks
>
> Chas k5dam
>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

19997. Re: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 00:03:24 UTC
From: Walt
Topic: 19970 Message: 19997

I have used a Ham four with a 10 meter- 5 element inverted Y at 70 feet for several years, I had no noticeable swing to any degree. In fact several times the antenna itself would flex a great deal without the rotor turning. Can’t say other than what I observed many years ago when I had this setup.

Walt

From: Chuck Schultz
Sent: Monday, October 03, 2011 7:52 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Mosley TA33 and rotor sizing??

Do you mean under rated ? I have owned the Ham IV and Tail Twister's in the past without a failure other than burnt out light bulbs . I am overlooking a lightning strike. I changed to the Yaesu rotors several years ago because I was tired of watching the beams swing back and forth about 10 degrees with the brake locked . The Yaesu does not move once it is looked . It is a little more pricey . For several years it was easier to computer control but that is a toss up these days . Chuck Wq5B
----- Original Message -----
From: Joe
To: mailto:ham-antennas%40yahoogroups.com
Cc: Joe Hutchens
Sent: Monday, October 03, 2011 6:24 PM
Subject: Re: [ham-antennas] Mosley TA33 and rotor sizing??

I've even used an alliance U-110 for the senior version.

Rotors are far over rated.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/3/2011 6:02 PM, Joe Hutchens wrote:
> I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only been
> up for 7 months.
>
> Joe Hutchens (AJ8MH)
> http://webpages.charter.net/aj8mh-radio/
>
> On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:
>
> > On 10/3/11 11:50 AM, Mike Rodgers wrote:
>> The purpose is to choke off the currents that may travel down the

>> outside
>> of coax. A 1:1 unun will do same so no need at shack end. Google ugly
>> balun for all kinds of info.
>>
>> 73 Mike R
>>
> curious... what size rotor do I need when I put my TA-33 up on my tower?
> thanks
>
> Chas k5dam
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1809 / Virus Database: 2085/4534 - Release Date: 10/02/11

[Non-text portions of this message have been removed]

19998. Re: wire antenna knots

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 00:15:48 UTC
From: Bob
Topic: 19954 Message: 19998

Hi Brian
The bowline is a good knot for rough natural fibre ropes like hemp and sisal, however it can be prone to slipping in smooth synthetic ropes like polypropylene and nylon. A better knot for synthetic rope is the figure eight loop, which is used by mountain climbers when they have to trust their lives to their knots.
Bob VK5AFZ

--- In ham-antennas@yahoogroups.com, "Lurch" <ka9egw@...> wrote:
>
> In the process of assembling my new Windom...using Ladder Snap so no solder joints. Curious to know others' experience with the best knot for the ropes from the end insulators to the supports?
> Thanks!
> 73, Brian KA9EGW
>

19999. Re: left over used antenna wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 00:32:38 UTC
From: pchapman920
Topic: 19989 Message: 19999

Well....no doubt than tarn-x or Brasso would make it look pretty and bring back it's original luster and charm. That would certainly instil a lot of warm and fuzzies and make me feel proud about the recycle effort, but I guess it gets to the unasked question. Is there any advantage of going through that effort other than cosmetic? That is the way I should have worded it the first time around.....my apologies....!!

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> Have you tried tarn-x?
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of pchapman920
> Sent: Monday, October 03, 2011 4:28 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] left over used antenna wire
>
> This is probably the dumb question of the month but.....
>
> I have over 100 feet of stranded copper clad from an antenna I took down a
> while back. It has blackened from being in the elements for a number of
> years. I do not live in a salt air environment, so there is no burring or
> signs of corrosion. Have another antenna in mind I would like to build with
> it. Other than cleaning ends for solder joints, I can't think of any reason
> not to use it again.
>
> Anyone know of a reason not to use it?
>

>

20000. Re: [ham-antennas] hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 01:42:42 UTC
From: Skyler
Topic: 19966 Message: 20000

Hi Ken, I think you nailed it! That sure looks like it and I appreciate it. Now I have to see if he still has it. Thanks so much. Skyler N8XB
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler@...
Sent: Monday, October 03, 2011 7:41 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Skyler, take a look at Force 12,, C3s 6 element/

Tribander.http://www.texasantennas.com/index.php?option=com_content&view=article&id=64&Itemid=82
What you think??
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, October 3, 2011 10:38 AM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Hi it is under N8XB in photos 3rd or 4th page . Thanks----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler
Sent: Monday, October 03, 2011 11:17 AM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Tell me agn where the picture is, I failed to located it.
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 2, 2011 8:29 AM
Subject: [ham-antennas] hekp ID Please HF Beam

Hi here is a pic on the photo page under
HF Beam. 6 element. There is a small 70 cm yagi above, please ignore that little element. Any help would be appreciated. It may be 15 or so years old. Thanks, skyler

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20001. RE: [ham-antennas] Re: left over used antenna wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 02:37:08 UTC
From: KA9EGW
Topic: 19989 Message: 20001

Well, if the outer skin is tarnish, and RF propagates by 'skin effect' my guess is it would depend on the relative conductivities of copper vs tarnish.
I wonder if using a DC ohmmeter [being cautious not to break through to clean copper] to do a comparison would give results relevant at HF?
73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of pchapman920
Sent: Monday, October 03, 2011 7:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: left over used antenna wire

Well....no doubt than tarn-x or Brasso would make it look pretty and bring back it's original luster and charm. That would certainly instil a lot of warm and fuzzies and make me feel proud about the recycle effort, but I guess it gets to the unasked question. Is there any advantage of going through that effort other than cosmetic? That is the way I should have worded it the first time around.....my apologies....!!

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> Have you tried tarn-x?
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of pchapman920
> Sent: Monday, October 03, 2011 4:28 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] left over used antenna wire
>
> This is probably the dumb question of the month but.....
>
> I have over 100 feet of stranded copper clad from an antenna I took
> down a while back. It has blackened from being in the elements for a
> number of years. I do not live in a salt air environment, so there is
> no burring or signs of corrosion. Have another antenna in mind I would
> like to build with it. Other than cleaning ends for solder joints, I
> can't think of any reason not to use it again.
>
> Anyone know of a reason not to use it?
>

>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20002. Re: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 03:09:21 UTC
From: Joe
Topic: 19970 Message: 20002

underrated as meaning they can handle loads a LOT bigger than what they
say they are rated at.

I mean a Alliance U-110 handles that full sized TA-33 for over ten years
on top of a 50 foot tower.

The only trouble it even had was if it was very windy it would stall out
and not be able to turn it till the wind died down some. But that was
it, it never broke or anything and worked flawlessly for over a decade.
not bad for a rotor that cost like 20 bucks.

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/3/2011 6:52 PM, Chuck Schultz wrote:
> Do you mean under rated ? I have owned the Ham IV and Tail Twister's in the past without a failure other than burnt out light bulbs . I am overlooking a lightning strike. I changed to the Yaesu rotors several years ago because I was tired of watching the beams swing back and forth about 10 degrees with the brake locked . The Yaesu does not move once it is looked . It is a little more pricey . For several years it was easier to computer control but that is a toss up these days . Chuck Wq5B
> ----- Original Message -----
> From: Joe
> To: ham-antennas@yahoogroups.com
> Cc: Joe Hutchens
> Sent: Monday, October 03, 2011 6:24 PM
> Subject: Re: [ham-antennas] Mosley TA33 and rotor sizing??
>
>
>
> I've even used an alliance U-110 for the senior version.
>
> Rotors are far over rated.
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 10/3/2011 6:02 PM, Joe Hutchens wrote:
> > I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only been
> > up for 7 months.

> >
> > Joe Hutchens (AJ8MH)
> > http://webpages.charter.net/aj8mh-radio/
> >
> > On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:
> >
> > > On 10/3/11 11:50 AM, Mike Rodgers wrote:
> >> The purpose is to choke off the currents that may travel down the
> >> outside
> >> of coax. A 1:1 unun will do same so no need at shack end. Google ugly
> >> balun for all kinds of info.
> >>
> >> 73 Mike R
> >>
> > curious... what size rotor do I need when I put my TA-33 up on my tower?
> > thanks
> >
> > Chas k5dam
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20003. RE: [ham-antennas] Re: wire antenna knots

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 03:42:25 UTC
From: KA9EGW
Topic: 19954 Message: 20003

Many sincere thanks to all who replied.

Will report when it's up and radiating.

73, Brian KA9EGW

20004. AW: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 06:50:43 UTC
From: Siegfried Jackstien
Topic: 19970 Message: 20004

Sadly when my house burned down 4 years ago i lost my ham4/cd45 :-(
I mechanically made it a bit stronger (or better say a lot stronger)
Original in that rotor there were 8 balls on upper and 8 on the lower side
The space between them was hold to distance with a cage
Now after several years of use (I bought it used) there were some marks or
better say "holes" in the surface were the balls were running
The reason was that if you have only that low number then 2 balls on upper
and lower side act like a turning point or axle and only the rest of balls
(3 on each side) have to hold the bending force ...
Original diameter of the balls was 9.8mm
I opened the case and throw out everything from the bearing
I went to a local supplier were I could get steel balls with 10mm diameter
In a bag of 100 for only a few bucks
I needed 96 balls to make the rotor almost full (half a ball left as gap)
Before refilling I filed the surface a bit down to get rid of the marks or
holes ... the bigger diameter of the metric balls was just right to have
some material to file down to a smooth surface :-)
After refilling with the new balls and some good grease the rotor was
running smooth and could hold a lot bigger load
So for all others: open your rotor and see if the manufacturer only took a
few balls inside ... if that is the case you should throw the cage out and
fill the rotor with balls and some fresh grease
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Chuck Schultz
> Gesendet: Montag, 3. Oktober 2011 23:53
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Mosley TA33 and rotor sizing??
>
>
>
> Do you mean under rated ? I have owned the Ham IV and Tail Twister's in
> the past without a failure other than burnt out light bulbs . I am
> overlooking a lightning strike. I changed to the Yaesu rotors several
> years ago because I was tired of watching the beams swing back and forth
> about 10 degrees with the brake locked . The Yaesu does not move once it
> is looked . It is a little more pricey . For several years it was easier
> to computer control but that is a toss up these days . Chuck Wq5B
> ----- Original Message -----
> From: Joe
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> Cc: Joe Hutchens
> Sent: Monday, October 03, 2011 6:24 PM
> Subject: Re: [ham-antennas] Mosley TA33 and rotor sizing??
>
> I've even used an alliance U-110 for the senior version.
>
> Rotors are far over rated.
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 10/3/2011 6:02 PM, Joe Hutchens wrote:
> > I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only been
> > up for 7 months.
> >
> > Joe Hutchens (AJ8MH)
> > http://webpages.charter.net/aj8mh-radio/
> >
> > On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:
> >
> > > On 10/3/11 11:50 AM, Mike Rodgers wrote:
> >> The purpose is to choke off the currents that may travel down the
> >> outside
> >> of coax. A 1:1 unun will do same so no need at shack end. Google ugly
> >> balun for all kinds of info.
> >>
> >> 73 Mike R
> >>
> > > curious... what size rotor do I need when I put my TA-33 up on my tower?
> > > thanks
> > >
> > > Chas k5dam
> > >
> > >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

20005. Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 12:24:07 UTC
From: Jon Ermels
Topic: 19970 Message: 20005

No offense meant but could we use the correct term for the machine that ROTATES the antenna? ROTATOR

73 de NØIGU
Jon

>_____
>From: Siegfried Jackstien <siegfried.jackstien@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, October 4, 2011 1:50 AM
>Subject: AW: [ham-antennas] Mosley TA33 and rotor sizing??
>
>Sadly when my house burned down 4 years ago i lost my ham4/cd45 :-(
>I mechanically made it a bit stronger (or better say a lot stronger)
>Original in that rotor there were 8 balls on upper and 8 on the lower side
>The space between them was hold to distance with a cage
>Now after several years of use (I bought it used) there were some marks or
>better say "holes" in the surface were the balls were running
>The reason was that if you have only that low number then 2 balls on upper
>and lower side act like a turning point or axle and only the rest of balls
>(3 on each side) have to hold the bending force ...
>Original diameter of the balls was 9.8mm
>I opened the case and throw out everything from the bearing
>I went to a local supplier were I could get steel balls with 10mm diameter
>In a bag of 100 for only a few bucks
>I needed 96 balls to make the rotor almost full (half a ball left as gap)
>Before refilling I filed the surface a bit down to get rid of the marks or
>holes ... the bigger diameter of the metric balls was just right to have
>some material to file down to a smooth surface :-)
>After refilling with the new balls and some good grease the rotor was
>running smooth and could hold a lot bigger load
>So for all others: open your rotor and see if the manufacturer only took a
>few balls inside ... if that is the case you should throw the cage out and
>fill the rotor with balls and some fresh grease
>Greetz
>Sigi
>Dg9bfc
>
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Chuck Schultz
>> Gesendet: Montag, 3. Oktober 2011 23:53
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: [ham-antennas] Mosley TA33 and rotor sizing??

>>
>>
>>
>> Do you mean under rated ? I have owned the Ham IV and Tail Twister's in
>> the past without a failure other than burnt out light bulbs . I am
>> overlooking a lightning strike. I changed to the Yaesu rotors several
>> years ago because I was tired of watching the beams swing back and forth
>> about 10 degrees with the brake locked . The Yaesu does not move once it
>> is looked . It is a little more pricey . For several years it was easier
>> to computer control but that is a toss up these days . Chuck Wq5B
>> ----- Original Message -----
>> From: Joe
>> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>> Cc: Joe Hutchens
>> Sent: Monday, October 03, 2011 6:24 PM
>> Subject: Re: [ham-antennas] Mosley TA33 and rotor sizing??
>>
>> I've even used an alliance U-110 for the senior version.
>>
>> Rotors are far over rated.
>>
>> Joe WB9SBD
>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>> On 10/3/2011 6:02 PM, Joe Hutchens wrote:
>> > I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only been
>> > up for 7 months.
>> >
>> > Joe Hutchens (AJ8MH)
>> > http://webpages.charter.net/aj8mh-radio/
>> >
>> > On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:
>> >
>> > > On 10/3/11 11:50 AM, Mike Rodgers wrote:
>> >> The purpose is to choke off the currents that may travel down the
>> >> outside
>> >> of coax. A 1:1 unun will do same so no need at shack end. Google ugly
>> >> balun for all kinds of info.
>> >>
>> >> 73 Mike R
>> >>
>> > curious... what size rotor do I need when I put my TA-33 up on my tower?
>> > thanks
>> >
>> > Chas k5dam
>> >

>> >
>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>>
>
>
>
>-----------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20006. AW: AW: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 12:28:57 UTC
From: Siegfried Jackstien
Topic: 19970 Message: 20006

Excuse for my bad english ... but it is sure better then YOUR german :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Jon Ermels
> Gesendet: Dienstag, 4. Oktober 2011 12:24
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??
>
>
>
> No offense meant but could we use the correct term for the machine that
> ROTATES the antenna? ROTATOR
>
>
> 73 de NØIGU
> Jon
>
> >_____
> >From: Siegfried Jackstien <siegfried.jackstien@...
> <mailto:siegfried.jackstien%40freenet.de> >
> >To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> >Sent: Tuesday, October 4, 2011 1:50 AM
> >Subject: AW: [ham-antennas] Mosley TA33 and rotor sizing??
> >
> >Sadly when my house burned down 4 years ago i lost my ham4/cd45 :-(
> >I mechanically made it a bit stronger (or better say a lot stronger)
> >Original in that rotor there were 8 balls on upper and 8 on the lower
> side
> >The space between them was hold to distance with a cage
> >Now after several years of use (I bought it used) there were some marks
> or
> >better say "holes" in the surface were the balls were running
> >The reason was that if you have only that low number then 2 balls on
> upper
> >and lower side act like a turning point or axle and only the rest of
> balls
> >(3 on each side) have to hold the bending force ...
> >Original diameter of the balls was 9.8mm
> >I opened the case and throw out everything from the bearing
> >I went to a local supplier were I could get steel balls with 10mm
> diameter
> >In a bag of 100 for only a few bucks

> >I needed 96 balls to make the rotor almost full (half a ball left as gap)
> >Before refilling I filed the surface a bit down to get rid of the marks
> or
> >holes ... the bigger diameter of the metric balls was just right to have
> >some material to file down to a smooth surface :-)
> >After refilling with the new balls and some good grease the rotor was
> >running smooth and could hold a lot bigger load
> >So for all others: open your rotor and see if the manufacturer only took
> a
> >few balls inside ... if that is the case you should throw the cage out
> and
> >fill the rotor with balls and some fresh grease
> >Greetz
> >Sigi
> >Dg9bfc
> >
> >
> >> -----Ursprüngliche Nachricht-----
> >> Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] Im
> >> Auftrag von Chuck Schultz
> >> Gesendet: Montag, 3. Oktober 2011 23:53
> >> An: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> >> Betreff: Re: [ham-antennas] Mosley TA33 and rotor sizing??
> >>
> >>
> >>
> >> Do you mean under rated ? I have owned the Ham IV and Tail Twister's in
> >> the past without a failure other than burnt out light bulbs . I am
> >> overlooking a lightning strike. I changed to the Yaesu rotors several
> >> years ago because I was tired of watching the beams swing back and
> forth
> >> about 10 degrees with the brake locked . The Yaesu does not move once
> it
> >> is looked . It is a little more pricey . For several years it was
> easier
> >> to computer control but that is a toss up these days . Chuck Wq5B
> >> ----- Original Message -----
> >> From: Joe
> >> To: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> >> Cc: Joe Hutchens
> >> Sent: Monday, October 03, 2011 6:24 PM
> >> Subject: Re: [ham-antennas] Mosley TA33 and rotor sizing??
> >>
> >> I've even used an alliance U-110 for the senior version.
> >>
> >> Rotors are far over rated.

> >>
> >> Joe WB9SBD
> >>
> >> The Original Rolling Ball Clock
> >> Idle Tyme
> >> Idle-Tyme.com
> >> http://www.idle-tyme.com
> >>
> >> On 10/3/2011 6:02 PM, Joe Hutchens wrote:
> >> > I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only
> been
> >> > up for 7 months.
> >> >
> >> > Joe Hutchens (AJ8MH)
> >> > http://webpages.charter.net/aj8mh-radio/
> >> >
> >> > On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:
> >> >
> >> > > On 10/3/11 11:50 AM, Mike Rodgers wrote:
> >> >> The purpose is to choke off the currents that may travel down the
> >> >> outside
> >> >> of coax. A 1:1 unun will do same so no need at shack end. Google
> ugly
> >> >> balun for all kinds of info.
> >> >>
> >> >> 73 Mike R
> >> >>
> >> > curious... what size rotor do I need when I put my TA-33 up on my
> tower?
> >> > thanks
> >> >
> >> > Chas k5dam
> >> >
> >> >
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >>
> >>
> >
> >
> >
> >------------------------------------
> >
> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 2586 members (as of 6/28/11). and attachments are NOT
> permitted.

> >Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> >Post message: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> >Subscribe: ham-antennas-subscribe@yahoogroups.com <mailto:ham-antennas-
> subscribe%40yahoogroups.com>
> >Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com <mailto:ham-
> antennas-unsubscribe%40yahoogroups.com>
> >List owner: ham-antennas-owner@yahoogroups.com <mailto:ham-antennas-
> owner%40yahoogroups.com>
> >Yahoo! Groups Links
> >
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

20007. Re: Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 12:34:45 UTC
From: g4ldsqrp
Topic: 19970 Message: 20007

Depends on your location & pocket.

In some locations with minimum wind a TV rotator could be used & in others you need a beast!!
Go for one that can handle the wind load at mimimum of the Aerial(s) you want to stay up safely.
Check the local weather for max winds and dont forget that the aerial being in the clear and higher will get stronger wind gusts.

Chris

G4LDS

20008. Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 12:42:49 UTC
From: Chuck Schultz
Topic: 19970 Message: 20008

If I were to ask for a Coke, would you know what I wished for ? I have been a Ham for 35 years and served in the CB service for the previous 10 years and have noticed that people insisting on using Rotators rather than Rotors as often as not kept their top button buttoned . Chuck Wq5B
From: Jon Ermels
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 04, 2011 7:24 AM
Subject: Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??

No offense meant but could we use the correct term for the machine that ROTATES the antenna? ROTATOR

73 de NØIGU
Jon

>_____
>From: Siegfried Jackstien <siegfried.jackstien@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, October 4, 2011 1:50 AM
>Subject: AW: [ham-antennas] Mosley TA33 and rotor sizing??
>
>Sadly when my house burned down 4 years ago i lost my ham4/cd45 :-(
>I mechanically made it a bit stronger (or better say a lot stronger)
>Original in that rotor there were 8 balls on upper and 8 on the lower side
>The space between them was hold to distance with a cage
>Now after several years of use (I bought it used) there were some marks or
>better say "holes" in the surface were the balls were running
>The reason was that if you have only that low number then 2 balls on upper
>and lower side act like a turning point or axle and only the rest of balls
>(3 on each side) have to hold the bending force ...
>Original diameter of the balls was 9.8mm
>I opened the case and throw out everything from the bearing
>I went to a local supplier were I could get steel balls with 10mm diameter
>In a bag of 100 for only a few bucks
>I needed 96 balls to make the rotor almost full (half a ball left as gap)
>Before refilling I filed the surface a bit down to get rid of the marks or
>holes ... the bigger diameter of the metric balls was just right to have
>some material to file down to a smooth surface :-)
>After refilling with the new balls and some good grease the rotor was
>running smooth and could hold a lot bigger load
>So for all others: open your rotor and see if the manufacturer only took a
>few balls inside ... if that is the case you should throw the cage out and
>fill the rotor with balls and some fresh grease
>Greetz
>Sigi
>Dg9bfc

>
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Chuck Schultz
>> Gesendet: Montag, 3. Oktober 2011 23:53
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: [ham-antennas] Mosley TA33 and rotor sizing??
>>
>>
>>
>> Do you mean under rated ? I have owned the Ham IV and Tail Twister's in
>> the past without a failure other than burnt out light bulbs . I am
>> overlooking a lightning strike. I changed to the Yaesu rotors several
>> years ago because I was tired of watching the beams swing back and forth
>> about 10 degrees with the brake locked . The Yaesu does not move once it
>> is looked . It is a little more pricey . For several years it was easier
>> to computer control but that is a toss up these days . Chuck Wq5B
>> ----- Original Message -----
>> From: Joe
>> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>> Cc: Joe Hutchens
>> Sent: Monday, October 03, 2011 6:24 PM
>> Subject: Re: [ham-antennas] Mosley TA33 and rotor sizing??
>>
>> I've even used an alliance U-110 for the senior version.
>>
>> Rotors are far over rated.
>>
>> Joe WB9SBD
>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>> On 10/3/2011 6:02 PM, Joe Hutchens wrote:
>> > I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only been
>> > up for 7 months.
>> >
>> > Joe Hutchens (AJ8MH)
>> > http://webpages.charter.net/aj8mh-radio/
>> >
>> > On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:
>> >
>> > > On 10/3/11 11:50 AM, Mike Rodgers wrote:
>> >> The purpose is to choke off the currents that may travel down the
>> >> outside
>> >> of coax. A 1:1 unun will do same so no need at shack end. Google ugly
>> >> balun for all kinds of info.

>> >>
>> >> 73 Mike R
>> >>
>> > curious... what size rotor do I need when I put my TA-33 up on my tower?
>> > thanks
>> >
>> > Chas k5dam
>> >
>> >
>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>>
>
>
>
>----------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20009. Re: AW: AW: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 12:47:04 UTC
From: Jon Ermels
Topic: 19970 Message: 20009

Sigi, Again no offense meant and my reply wasn't directed to anyone in particular. You're correct about my German. My last name is German but I know only how to recognize it from hearing my German Grandmother calling me names when I misbehaved. The term rotor has been used through out the thread and elsewhere. I used it too until It was explained to me one day. Disk brakes use rotors but antenna rotators don't.

73 de NØIGU
Jon

>_____
>From: Siegfried Jackstien <siegfried.jackstien@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, October 4, 2011 7:28 AM
>Subject: AW: AW: [ham-antennas] Mosley TA33 and rotor sizing??
>
>Excuse for my bad english ... but it is sure better then YOUR german :-)
>Dg9bfc
>Sigi
>
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Jon Ermels
>> Gesendet: Dienstag, 4. Oktober 2011 12:24
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??
>>
>>
>>
>> No offense meant but could we use the correct term for the machine that
>> ROTATES the antenna? ROTATOR
>>
>>
>> 73 de NØIGU
>> Jon
>>
>> >_____
>> >From: Siegfried Jackstien <siegfried.jackstien@...
>> <mailto:siegfried.jackstien%40freenet.de> >
>> >To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>> >Sent: Tuesday, October 4, 2011 1:50 AM
>> >Subject: AW: [ham-antennas] Mosley TA33 and rotor sizing??
>> >
>> >Sadly when my house burned down 4 years ago i lost my ham4/cd45 :-(
>> >I mechanically made it a bit stronger (or better say a lot stronger)

>> >Original in that rotor there were 8 balls on upper and 8 on the lower
>> side
>> >The space between them was hold to distance with a cage
>> >Now after several years of use (I bought it used) there were some marks
>> or
>> >better say "holes" in the surface were the balls were running
>> >The reason was that if you have only that low number then 2 balls on
>> upper
>> >and lower side act like a turning point or axle and only the rest of
>> balls
>> >(3 on each side) have to hold the bending force ...
>> >Original diameter of the balls was 9.8mm
>> >I opened the case and throw out everything from the bearing
>> >I went to a local supplier were I could get steel balls with 10mm
>> diameter
>> >In a bag of 100 for only a few bucks
>> >I needed 96 balls to make the rotor almost full (half a ball left as gap)
>> >Before refilling I filed the surface a bit down to get rid of the marks
>> or
>> >holes ... the bigger diameter of the metric balls was just right to have
>> >some material to file down to a smooth surface :-)
>> >After refilling with the new balls and some good grease the rotor was
>> >running smooth and could hold a lot bigger load
>> >So for all others: open your rotor and see if the manufacturer only took
>> a
>> >few balls inside ... if that is the case you should throw the cage out
>> and
>> >fill the rotor with balls and some fresh grease
>> >Greetz
>> >Sigi
>> >Dg9bfc
>> >
>> >
>> >> -----Ursprüngliche Nachricht-----
>> >> Von: ham-antennas@yahoogroups.com <mailto:ham-
>> antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com>] Im
>> >> Auftrag von Chuck Schultz
>> >> Gesendet: Montag, 3. Oktober 2011 23:53
>> >> An: ham-antennas@yahoogroups.com <mailto:ham-
>> antennas%40yahoogroups.com>
>> >> Betreff: Re: [ham-antennas] Mosley TA33 and rotor sizing??
>> >>
>> >>
>> >>
>> >> Do you mean under rated ? I have owned the Ham IV and Tail Twister's in
>> >> the past without a failure other than burnt out light bulbs . I am
>> >> overlooking a lightning strike. I changed to the Yaesu rotors several
>> >> years ago because I was tired of watching the beams swing back and
>> forth

>> >> about 10 degrees with the brake locked . The Yaesu does not move once
>> it
>> >> is looked . It is a little more pricey . For several years it was
>> easier
>> >> to computer control but that is a toss up these days . Chuck Wq5B
>> >> ----- Original Message -----
>> >> From: Joe
>> >> To: ham-antennas@yahoogroups.com <mailto:ham-
>> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
>> >> Cc: Joe Hutchens
>> >> Sent: Monday, October 03, 2011 6:24 PM
>> >> Subject: Re: [ham-antennas] Mosley TA33 and rotor sizing??
>> >>
>> >> I've even used an alliance U-110 for the senior version.
>> >>
>> >> Rotors are far over rated.
>> >>
>> >> Joe WB9SBD
>> >>
>> >> The Original Rolling Ball Clock
>> >> Idle Tyme
>> >> Idle-Tyme.com
>> >> http://www.idle-tyme.com
>> >>
>> >> On 10/3/2011 6:02 PM, Joe Hutchens wrote:
>> >> > I use a Hy-Gain Ham IV for my 4 element TA33-M-WARC, but it's only
>> been
>> >> > up for 7 months.
>> >> >
>> >> > Joe Hutchens (AJ8MH)
>> >> > http://webpages.charter.net/aj8mh-radio/
>> >> >
>> >> > On Mon, Oct 3, 2011 at 1:10 PM, chas wrote:
>> >> >
>> >> > > On 10/3/11 11:50 AM, Mike Rodgers wrote:
>> >> >> The purpose is to choke off the currents that may travel down the
>> >> >> outside
>> >> >> of coax. A 1:1 unun will do same so no need at shack end. Google
>> ugly
>> >> >> balun for all kinds of info.
>> >> >>
>> >> >> 73 Mike R
>> >> >>
>> >> > curious... what size rotor do I need when I put my TA-33 up on my
>> tower?
>> >> > thanks
>> >> >
>> >> > Chas k5dam
>> >> >
>> >> >

>> >>
>> >> [Non-text portions of this message have been removed]
>> >>
>> >> [Non-text portions of this message have been removed]
>> >>
>> >>
>> >>
>> >>
>> >
>> >
>> >
>> >------------------------------------
>> >
>> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>> go to ALL 2586 members (as of 6/28/11). and attachments are NOT
>> permitted.
>> >Any statements in ANY post that may be construed as inflamatory MAY be
>> cause for suspension. Moderators WILL have final say in these matters.
>> >Post message: ham-antennas@...m <mailto:ham-
>> antennas%40yahoogroups.com>
>> >Subscribe: ham-antennas-subscribe@yahoogroups.com <mailto:ham-antennas-
>> subscribe%40yahoogroups.com>
>> >Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com <mailto:ham-
>> antennas-unsubscribe%40yahoogroups.com>
>> >List owner: ham-antennas-owner@yahoogroups.com <mailto:ham-antennas-
>> owner%40yahoogroups.com>
>> >Yahoo! Groups Links
>> >
>> >
>> >
>> >
>> >
>> >
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>>
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com

>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20010. Re: [ham-antennas] Re: left over used antenna wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 12:47:16 UTC
From: Ron Youvan
Topic: 19989 Message: 20010

pchapman920 wrote:

> Well....no doubt than tarn-x or Brasso would make it look pretty and bring back it's original luster
> and charm. That would certainly instil a lot of warm and fuzzies and make me feel proud about the
> recycle effort, but I guess it gets to the unasked question. Is there any advantage of going through
> that effort other than cosmetic? That is the way I should have worded it the first time
> around.....my apologies....!!

Don't bother.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20011. Re: G5RV or Buckmaster Diapole...why are some bare wire or coated? Is one better?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 12:51:36 UTC
From: fred
Topic: 19986 Message: 20011

there is no difference in performance I have noticed . the only thing is that a wire with insulation seems to be electrically longer than bare wire and I had to make the insulated wire about 4 inches shorter on both sides to get it resonant . can't say about the G5RV or buckmaster antennas as I have never used them . I did look at getting the 7 band buckmaster OCF and decided not to after I read the warning about the balun .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "kb1kln_73" <jnormy31@...> wrote:
>
> Hi,
>
> I was wondering why I see advertized that the G5RV's sometimes come with bare braided wire or coated braided wire? Does one perform better than the other?
>
> The Buckmasters seem to come coated only (or at least that's all I can find)?
>
>
> Any thoughts on performance?
>
> Thanks
>
>
> Jon (KB1KLN), 73.
>

20012. 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 13:53:25 UTC
From: Bill Canepa
Topic: 20012 Message: 20012

I just got a new rig with 6 meters this is a new band for me a i need a 6 meter antenna , is a dipole a good choice or is a jpole a better one, no beams because of cost of rotor and space . 73's w8jbv

[Non-text portions of this message have been removed]

20013. Re: [ham-antennas] 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 13:57:00 UTC
From: Dan Schaaf
Topic: 20012 Message: 20013

No beams? Then go dipole. 6 meter users use horizontally polarized antennas.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Bill Canepa
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 04, 2011 9:53 AM
Subject: [ham-antennas] 6 METER ANTENNAS

I just got a new rig with 6 meters this is a new band for me a i need a 6 meter antenna , is a dipole a good choice or is a jpole a better one, no beams because of cost of rotor and space . 73's w8jbv

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20014. Re: [ham-antennas] 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:01:39 UTC
From: Bill Canepa
Topic: 20012 Message: 20014

Thanks but what about length should i cut it for 52 Mhz right in the middle of the band ??

From: Dan Schaaf <dan-schaaf@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 4, 2011 9:57 AM
Subject: Re: [ham-antennas] 6 METER ANTENNAS

No beams? Then go dipole. 6 meter users use horizontally polarized antennas.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Bill Canepa
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 04, 2011 9:53 AM
Subject: [ham-antennas] 6 METER ANTENNAS

I just got a new rig with 6 meters this is a new band for me a i need a 6 meter antenna , is a dipole a good choice or is a jpole a better one, no beams because of cost of rotor and space . 73's w8jbv

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20015. Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:04:18 UTC
From: radio_wx1yz
Topic: 20015 Message: 20015

Hi all,

This is my first post to this group, so go easy with me please. :)

After about twenty years as a ham I am going to get my first HF rig this fall. I intend to use a LnR Precision end fed antenna with it.

I want to suspend the antenna between two masts made of schedule 40 black iron pipe. My plan is to have coupled three ten foot sections together and sitting in a five gallon bucket of Quikrete. The base should weigh about one hundred pounds. I'll guy it at the top and fifteen feet.

Would appreciate any thoughts, criticisms, experience.

Thanks and 73
Tom Gosse, WX1YZ

20016. Re: [ham-antennas] 6 METER ANTENNAS MOXON RECTANGLE EXCELLENT WIDE ANGLE BEAM

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:05:49 UTC
From: Prof. Arnaldo Coro Antich
Topic: 20012 Message: 20016

Amigos !
The MOXON Rectangle antenna is excellent for 6 meters band work.
It can be made easily, and has a very wide horizontal pattern coverage...
I ran one beaming to 160 degrees to work TEP from here, that should
be up again soon... No need for rotor because the minus 3dB pattern
points cover 140 degrees of acimut !!!
A lot of information about the Moxon Rectangle is available by just
typing Moxon Antenna on any Internet search engine...
73 and DX
Arnie Coro
CO2KK

On 10/04/2011 09:57 AM, Dan Schaaf wrote:
>
> No beams? Then go dipole. 6 meter users use horizontally polarized
> antennas.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> ----- Original Message -----
> From: Bill Canepa
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Tuesday, October 04, 2011 9:53 AM
> Subject: [ham-antennas] 6 METER ANTENNAS
>
> I just got a new rig with 6 meters this is a new band for me a i need
> a 6 meter antenna , is a dipole a good choice or is a jpole a better
> one, no beams because of cost of rotor and space . 73's w8jbv
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

20017. Re: [ham-antennas] 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:13:12 UTC
From: Dan Schaaf
Topic: 20012 Message: 20017

Where do plan to operate ?
SSB and CW is below 50.300, The SSB Domestic Calling Freq is 50.125, The International calling Frequency is 50.110
Most activity is below 50.300
If you are into FM or moonbounce then I think the frequencies are higher

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Bill Canepa
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 04, 2011 10:01 AM
Subject: Re: [ham-antennas] 6 METER ANTENNAS

Thanks but what about length should i cut it for 52 Mhz right in the middle of the band ??

From: Dan Schaaf <dan-schaaf@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 4, 2011 9:57 AM
Subject: Re: [ham-antennas] 6 METER ANTENNAS

No beams? Then go dipole. 6 meter users use horizontally polarized antennas.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Bill Canepa
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 04, 2011 9:53 AM
Subject: [ham-antennas] 6 METER ANTENNAS

I just got a new rig with 6 meters this is a new band for me a i need a 6 meter antenna , is a dipole a good choice or is a jpole a better one, no beams because of cost of rotor and space . 73's w8jbv

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20018. Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:13:30 UTC
From: Kenneth Grimm
Topic: 19970 Message: 20018

On Tue, Oct 4, 2011 at 8:24 AM, Jon Ermels <n0igu@...> wrote:
> No offense meant but could we use the correct term for the machine that ROTATES the antenna? ROTATOR
>
>
>
>
> 73 de NØIGU
> Jon
>

If you are inclined to do this sort of thing, how about taking on "balun" vs "balum" next? [?]

73,

Ken - K4XL

[Non-text portions of this message have been removed]

20019. Re: [ham-antennas] 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:22:25 UTC
From: Ron Youvan
Topic: 20012 Message: 20019

Bill w8jbv Canepa wrote:

> I just got a new rig with 6 meters this is a new band for me a i need a 6 meter antenna , is a
> dipole a good choice or is a "J" pole a better one, no beams because of cost of rotor and space.

It is the same here as it is always, the first question that must be asked is: do you want to
talk to "anyone" or someone or some place in particular. Both horizontal and vertical dipoles work
the same other than polarity and pattern shape.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20020. Re: [ham-antennas] 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:41:05 UTC
From: Prof. Arnaldo Coro Antich
Topic: 20012 Message: 20020

```
>
> Moxon antenna design calculator
>
> ------------------------------------------------------------------------
>
> *Calculation Results*
> *Frequency of Operation* 50.25 MHz
> *Diameter of wire* 4 mm
> *A* 6.652 feet
> 2.028 metres
> *B* 1.011 feet
> 0.308 metres
> *C* 0.162 feet
> 0.049 metres
> *D* 1.405 feet
> 0.428 metres
> *E* 2.578 feet
> 0.786 metres
> *F* 3.567 feet
> 1.087 metres
>
>
> **
>
> *
> <http://w4.vp9kf.com/moxon_design.htm>*
>

On 10/04/2011 10:22 AM, Ron Youvan wrote:
>
> Bill w8jbv Canepa wrote:
>
> > I just got a new rig with 6 meters this is a new band for me a i
> need a 6 meter antenna , is a
> > dipole a good choice or is a "J" pole a better one, no beams because
> of cost of rotor and space.
>
> It is the same here as it is always, the first question that must be
> asked is: do you want to
> talk to "anyone" or someone or some place in particular. Both
> horizontal and vertical dipoles work
> the same other than polarity and pattern shape.
> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
```

>
>

[Non-text portions of this message have been removed]

20021. Re: [ham-antennas] 6 METER ANTENNAS MOXON RECTANGLE EXCELLENT WIDE ANGLE BEAM

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:42:03 UTC
From: cszathma@comcast.net
Topic: 20012 Message: 20021

The MOXON is a great antenna, I build one of these about a year ago and it was easy, cheap and best of all it worked great! Worked many, many grid sq. out west with just 10 watts and this ant.

Carl WB2DGJ

Carl Szathmary
cszathma @...
Burlington Lodge #32 F&AM
WB2DGJ NAQCC #3807
----- Original Message -----
From: "Prof. Arnaldo Coro Antich " < coro @ enet .cu>
To: ham-antennas@ yahoogroups .com
Sent: Tuesday, October 4, 2011 10:05:49 AM
Subject: Re: [ham-antennas] 6 METER ANTENNAS MOXON RECTANGLE EXCELLENT WIDE ANGLE BEAM

Amigos !
The MOXON Rectangle antenna is excellent for 6 meters band work.
It can be made easily, and has a very wide horizontal pattern coverage...
I ran one beaming to 160 degrees to work TEP from here, that should
be up again soon... No need for rotor because the minus 3dB pattern
points cover 140 degrees of acimut !!!
A lot of information about the Moxon Rectangle is available by just
typing Moxon Antenna on any Internet search engine...
73 and DX
Arnie Coro
CO2KK

On 10/04/2011 09:57 AM, Dan Schaaf wrote:
>
> No beams? Then go dipole. 6 meter users use horizontally polarized
> antennas.
>
> Best Regards
> Dan Schaaf
> K3ZXL www .k3zxl.com
> NOBSKA www . nobska .net
> Cape Cod Instruments www .gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> ----- Original Message -----
> From: Bill Canepa
> To: ham-antennas@ yahoogroups .com < mailto :ham-antennas%40yahoogroups.com>
> Sent: Tuesday, October 04, 2011 9:53 AM

> Subject: [ham-antennas] 6 METER ANTENNAS
>
> I just got a new rig with 6 meters this is a new band for me a i need
> a 6 meter antenna , is a dipole a good choice or is a jpole a better
> one, no beams because of cost of rotor and space . 73's w8jbv
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20022. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:52:34 UTC
From: ka9egw@britewerkz.com
Topic: 20015 Message: 20022

Galvanized may last longer than black. If it's anything like a bike lift
of pipe, if it's going to fail it will be at the threaded
couplings--consider having it welded?

My local Ace Hardware has a telescoping 30-foot mast with guy rings
already on it, purpose-made for antenna work...

73, Brian KA9EGW

> Hi all,
>
> This is my first post to this group, so go easy with me please. :)
>
> After about twenty years as a ham I am going to get my first HF rig this
> fall. I intend to use a LnR Precision end fed antenna with it.
>
> I want to suspend the antenna between two masts made of schedule 40 black
> iron pipe. My plan is to have coupled three ten foot sections together
> and sitting in a five gallon bucket of Quikrete. The base should weigh
> about one hundred pounds. I'll guy it at the top and fifteen feet.
>
> Would appreciate any thoughts, criticisms, experience.
>
> Thanks and 73
> Tom Gosse, WX1YZ
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

20023. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 14:55:39 UTC
From: dean
Topic: 20015 Message: 20023

I don’t see any reason why it won’t work but schedule 80 might be better or get 3 steel 10’ antenna masts that just butt into each other. Radio Shack makes them in either 5’ and 10’. They have a little tit on the inside of the poles on one end and a slot on the other end. They don’t turn once mated together. At 30’ they will have to be guyed if you put anything heavy on them like say a 15’ vertical 440 MHz antenna and you have a lot of wind like I have.

Here are some web pages on PVC masts.

http://forums.radioreference.com/scanner-receiver-antennas/101043-using-pvc-antenna-mast.html

http://forums.qrz.com/showthread.php?286123-35-PVC-Antenna-Mast-Tower-Ideas

http://forums.radioreference.com/scanner-receiver-antennas/7590-ground-antenna-mast.html

http://forums.radioreference.com/scanner-receiver-antennas/163459-pvc-antenna-mast-vs-steel.html

I just looked up PVC antenna masts in google. Got a lot of sites to look at but the main thing I saw was, no ground and they will not hold up anything heavy. If its just holding up a dipole it might work but I would go schedule 80 to be safe.

73, WY6L

From: radio_wx1yz
Sent: Tuesday, October 04, 2011 7:04 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Hi all,

This is my first post to this group, so go easy with me please. :)

After about twenty years as a ham I am going to get my first HF rig this fall. I intend to use a LnR Precision end fed antenna with it.

I want to suspend the antenna between two masts made of schedule 40 black iron pipe. My plan is to have coupled three ten foot sections together and sitting in a five gallon bucket of Quikrete. The base should weigh about one hundred pounds. I'll guy it at the top and fifteen feet.

Would appreciate any thoughts, criticisms, experience.

Thanks and 73
Tom Gosse, WX1YZ

[Non-text portions of this message have been removed]

20024. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 15:05:21 UTC
From: dean
Topic: 20015 Message: 20024

one more page.

http://verticaldipoles.tripod.com/MountingSystems.html

73, WY6L

From: radio_wx1yz
Sent: Tuesday, October 04, 2011 7:04 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Hi all,

This is my first post to this group, so go easy with me please. :)

After about twenty years as a ham I am going to get my first HF rig this fall. I intend to use a LnR Precision end fed antenna with it.

I want to suspend the antenna between two masts made of schedule 40 black iron pipe. My plan is to have coupled three ten foot sections together and sitting in a five gallon bucket of Quikrete. The base should weigh about one hundred pounds. I'll guy it at the top and fifteen feet.

Would appreciate any thoughts, criticisms, experience.

Thanks and 73
Tom Gosse, WX1YZ

[Non-text portions of this message have been removed]

20025. RE: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 15:36:11 UTC
From: Richard Schmuke
Topic: 20015 Message: 20025

I would go with steel pipe and telescope them, not black iron or the S80 PVC.

You can find pictures and drawings of my two simple tilt masts at
http://s1102.photobucket.com/albums/g453/KD0ZZ/

The small one is at only 20ft(two 1.5 rigid conduit) and the larger about 45ft, steel pipe. The small one has also been used with only one 10ft section for a 20M cage vertical and also a four band vertical.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of dean
Sent: Tuesday, October 04, 2011 9:56 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

I don’t see any reason why it won’t work but schedule 80 might be better or get 3 steel 10’ antenna masts that just butt into each other. Radio Shack makes them in either 5’ and 10’. They have a little tit on the inside of the poles on one end and a slot on the other end. They don’t turn once mated together. At 30’ they will have to be guyed if you put anything heavy on them like say a 15’ vertical 440 MHz antenna and you have a lot of wind like I have.

Here are some web pages on PVC masts.

http://forums.radioreference.com/scanner-receiver-antennas/101043-using-pvc-antenna-mast.html

http://forums.qrz.com/showthread.php?286123-35-PVC-Antenna-Mast-Tower-Ideas

http://forums.radioreference.com/scanner-receiver-antennas/7590-ground-antenna-mast.html

http://forums.radioreference.com/scanner-receiver-antennas/163459-pvc-antenna-mast-vs-steel.html

I just looked up PVC antenna masts in google. Got a lot of sites to look at but the main thing I saw was, no ground and they will not hold up anything heavy. If its just holding up a dipole it might work but I would go schedule 80 to be safe.

73, WY6L

From: radio_wx1yz
Sent: Tuesday, October 04, 2011 7:04 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Hi all,

This is my first post to this group, so go easy with me please. :)

After about twenty years as a ham I am going to get my first HF rig this fall. I intend to use a LnR Precision end fed antenna with it.

I want to suspend the antenna between two masts made of schedule 40 black iron pipe. My plan is to have coupled three ten foot sections together and sitting in a five gallon bucket of Quikrete. The base should weigh about one hundred pounds. I'll guy it at the top and fifteen feet.

Would appreciate any thoughts, criticisms, experience.

Thanks and 73
Tom Gosse, WX1YZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20026. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 16:46:05 UTC
From: Robert Garland
Topic: 20015 Message: 20026

A ham friend used this material for a 35-foot mast. As he was raising it, it snapped at every coupling. Black pipe is NOT recommended.

Look to nested steel tubing. You can raise the set, estabilish the guying, slide the next section up, lock, establish guying if any, raise the next section up, lock, establish the guying, etc.

There is also a poster to this group who has pix of tilt-up steel tubing masts. Check them out.

Just stay clear of black iron pipe. It was not designed for making masts, and does not have the needed strength in any direction not along the axis of the pipe. This stuff was designed to lay in or on the ground, not be elevated.

Robert, NX3S

> one more page.
>
> http://verticaldipoles.tripod.com/MountingSystems.html
>
> 73, WY6L
>
> From: radio_wx1yz
> Sent: Tuesday, October 04, 2011 7:04 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna
> mast
>
>
> Hi all,
>
> This is my first post to this group, so go easy with me please. :)
>
> After about twenty years as a ham I am going to get my first HF rig this fall. I intend
> to use a LnR Precision end fed antenna with it.
>
> I want to suspend the antenna between two masts made of schedule 40 black iron pipe. My
> plan is to have coupled three ten foot sections together and sitting in a five gallon
> bucket of Quikrete. The base should weigh about one hundred pounds. I'll guy it at the
> top and fifteen feet.
>
> Would appreciate any thoughts, criticisms, experience.
>
> Thanks and 73
> Tom Gosse, WX1YZ

>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
> members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
> suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

Robert Garland, NX3S

20027. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 18:52:46 UTC
From: Dale H. Cole K8TS
Topic: 20015 Message: 20027

I work for an outfit that sells both black and galvanized pipe. As already been said, black pipe will rust and as galvanized pipe the junctions will be at most 1 1/2 to 2", making them the weakest points. Also, as has already been said, I agree that push-up is best. Make sure guys are as non metalic as possible so as not to affect the performance of your antenna. Hope my 2¢ helps, welcome to the group, and welcome to hf. You will enjoy many good contacts, and this group is extreamly glad to help you, no matter how trivial.

Dale K8TS

k9ttt@comcast.net

----- Original Message -----

From: "Robert Garland" <robert@jtan.com>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 4, 2011 12:46:05 PM
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

A ham friend used this material for a 35-foot mast. As he was raising it, it snapped at every coupling. Black pipe is NOT recommended.

Look to nested steel tubing. You can raise the set, estabilish the guying, slide the next section up, lock, establish guying if any, raise the next section up, lock, establish the guying, etc.

There is also a poster to this group who has pix of tilt-up steel tubing masts. Check them out.

Just stay clear of black iron pipe. It was not designed for making masts, and does not have the needed strength in any direction not along the axis of the pipe. This stuff was designed to lay in or on the ground, not be elevated.

Robert, NX3S

> one more page.
>
> http://verticaldipoles.tripod.com/MountingSystems.html
>
> 73, WY6L
>
> From: radio_wx1yz
> Sent: Tuesday, October 04, 2011 7:04 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna
> mast

>
>
> Hi all,
>
> This is my first post to this group, so go easy with me please. :)
>
> After about twenty years as a ham I am going to get my first HF rig this fall. I intend
> to use a LnR Precision end fed antenna with it.
>
> I want to suspend the antenna between two masts made of schedule 40 black iron pipe. My
> plan is to have coupled three ten foot sections together and sitting in a five gallon
> bucket of Quikrete. The base should weigh about one hundred pounds. I'll guy it at the
> top and fifteen feet.
>
> Would appreciate any thoughts, criticisms, experience.
>
> Thanks and 73
> Tom Gosse, WX1YZ
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
> members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
> suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

Robert Garland, NX3S

[Non-text portions of this message have been removed]

20028. Re: [ham-antennas] hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 19:12:19 UTC
From: Ken Burchfield
Topic: 19966 Message: 20028

Skyler,
I have the instruction manual if you want, indicate where to send it?
Glad to help
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, October 3, 2011 8:42 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Hi Ken, I think you nailed it! That sure looks like it and I appreciate it. Now I have to see if he still has it. Thanks so much. Skyler N8XB

> ----- Original Message -----
> From: Ken Burchfield
> To: ham-antennas@yahoogroups.com
> Cc: Skyler@...
> Sent: Monday, October 03, 2011 7:41 PM
> Subject: Re: [ham-antennas] hekp ID Please HF Beam
>
> Skyler, take a look at Force 12,, C3s 6 element/
>
> Tribander.http://www.texasantennas.com/index.php?option=com_content&view=article&id=64&Itemid=82
> What you think??
> 73 Ken
>
> PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
> ------

[Non-text portions of this message have been removed]

20029. Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 19:45:00 UTC
From: Ron Youvan
Topic: 19970 Message: 20029

Jon N?IGU Ermels wrote:

> No offense meant but could we use the correct term for the machine that ROTATES the antenna? ROTATOR

No offense meant but could we use the correct term for the part of the machine that ROTATES the
antenna? ROTOR

<< Rotor (electric), the non-stationary part of an alternator or electric motor, operating with a
stationary element called the stator. >>
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20030. Re: Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 20:03:49 UTC
From: radio_wx1yz
Topic: 20015 Message: 20030

Thanks to all who responded to my post and for your advice.

Plan B is to use three ten foot masts from Radio Shack http://bit.ly/r8C0MM

Again, I plan to guy it at thirty feet and fifteen feet.

The antenna I plan to use is a 100 watt LnR Precision EF-40/20.

Thanks again,
Tom WX1YZ

--- In ham-antennas@yahoogroups.com, "radio_wx1yz" <radio.wx1yz@...> wrote:
>
> Hi all,
>
> This is my first post to this group, so go easy with me please. :)
>
> After about twenty years as a ham I am going to get my first HF rig this fall. I intend to use a LnR Precision end fed antenna with it.
>
> I want to suspend the antenna between two masts made of schedule 40 black iron pipe. My plan is to have coupled three ten foot sections together and sitting in a five gallon bucket of Quikrete. The base should weigh about one hundred pounds. I'll guy it at the top and fifteen feet.
>
> Would appreciate any thoughts, criticisms, experience.
>
> Thanks and 73
> Tom Gosse, WX1YZ
>

20031. Re: 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 20:54:29 UTC
From: james27613
Topic: 20012 Message: 20031

hi Bill,

I built a Moxon with # 12 THHN solid wire,
it worked so well that I built a second one
using 3/8" aluminum tubing T6061 with a pvc frame.

http://www.kg4jjh.com/pdf/6m%20Moxon.pdf

The above is nice plans but you can build it
the way you like, just use the same dimensions.

73 james ke4drn

20032. Re: [ham-antennas] 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 21:07:22 UTC
From: Jon Ermels
Topic: 20012 Message: 20032

Except when using repeaters, then vertical.

73 de NØIGU
Jon

>_____
>From: Dan Schaaf <dan-schaaf@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, October 4, 2011 8:57 AM
>Subject: Re: [ham-antennas] 6 METER ANTENNAS
>
>No beams? Then go dipole. 6 meter users use horizontally polarized antennas.
>
>Best Regards
>Dan Schaaf
>K3ZXL www.k3zxl.com
>NOBSKA www.nobska.net
>Cape Cod Instruments www.gnm-inc.com
>Tel: 941-766-0706
>Fax: 941-766-0707
>
>
> ----- Original Message -----
> From: Bill Canepa
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, October 04, 2011 9:53 AM
> Subject: [ham-antennas] 6 METER ANTENNAS
>
>
>
> I just got a new rig with 6 meters this is a new band for me a i need a 6 meter antenna , is a dipole a good choice or is a jpole a better one, no beams because of cost of rotor and space . 73's w8jbv
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>----------

>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20033. Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 21:10:16 UTC
From: Jon Ermels
Topic: 19970 Message: 20033

This is the first time I've seen it called "balum".

73 de NØIGU
Jon

>_____
>From: Kenneth Grimm <grimm@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, October 4, 2011 9:13 AM
>Subject: Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??
>
>On Tue, Oct 4, 2011 at 8:24 AM, Jon Ermels <n0igu@...> wrote:
>> No offense meant but could we use the correct term for the machine that
>ROTATES the antenna? ROTATOR
>>
>>
>>
>>
>> 73 de NØIGU
>> Jon
>>
>
>If you are inclined to do this sort of thing, how about taking on "balun" vs
>"balum" next?   [?]
>
>73,
>
>Ken - K4XL
>
>
>[Non-text portions of this message have been removed]
>
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@...m
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links

>
>
>
>
>
>

[Non-text portions of this message have been removed]

20034. Re: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 21:36:45 UTC
From: Walt
Topic: 19970 Message: 20034

I did not know what balun meant, sorry to say. I was educated soon enough

From: Jon Ermels
Sent: Tuesday, October 04, 2011 5:10 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??

This is the first time I've seen it called "balum".

73 de NØIGU
Jon

>_____
>From: Kenneth Grimm <mailto:grimm%40sbc.edu>
>To: mailto:ham-antennas%40yahoogroups.com
>Sent: Tuesday, October 4, 2011 9:13 AM
>Subject: Re: AW: [ham-antennas] Mosley TA33 and rotor sizing??
>
>On Tue, Oct 4, 2011 at 8:24 AM, Jon Ermels <mailto:n0igu%40yahoo.com> wrote:
>> No offense meant but could we use the correct term for the machine that
>ROTATES the antenna? ROTATOR
>>
>>
>>
>>
>> 73 de NØIGU
>> Jon
>>
>
>If you are inclined to do this sort of thing, how about taking on "balun" vs
>"balum" next? [?]
>
>73,
>
>Ken - K4XL
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for

suspension. Moderators WILL have final say in these matters.
>Post message: mailto:ham-antennas%40yahoogroups.com
>Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>List owner: mailto:ham-antennas-owner%40yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1809 / Virus Database: 2085/4536 - Release Date: 10/03/11

[Non-text portions of this message have been removed]

20035. Re: [ham-antennas] Re: 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 21:48:29 UTC
From: dean
Topic: 20012 Message: 20035

What is THHN

73, WY6L

From: james27613
Sent: Tuesday, October 04, 2011 1:54 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 6 METER ANTENNAS

hi Bill,

I built a Moxon with # 12 THHN solid wire,
it worked so well that I built a second one
using 3/8" aluminum tubing T6061 with a pvc frame.

http://www.kg4jjh.com/pdf/6m%20Moxon.pdf

The above is nice plans but you can build it
the way you like, just use the same dimensions.

73 james ke4dɪn

[Non-text portions of this message have been removed]

20036. Re: [ham-antennas] Re: 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 21:53:21 UTC
From: Weston Fryatt
Topic: 20012 Message: 20036

"*T*hermoplastic *H*igh *H*eat-resistant *N*ylon-coated." (The type of insulation)^

73,
Weston Fryatt
AK4BK
<#cite_note-19>

On 10/4/2011 4:48 PM, dean wrote:
>
> What is THHN
>
> 73, WY6L
>
> From: james27613
> Sent: Tuesday, October 04, 2011 1:54 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Re: 6 METER ANTENNAS
>
> hi Bill,
>
> I built a Moxon with # 12 THHN solid wire,
> it worked so well that I built a second one
> using 3/8" aluminum tubing T6061 with a pvc frame.
>
> http://www.kg4jjh.com/pdf/6m%20Moxon.pdf
>
> The above is nice plans but you can build it
> the way you like, just use the same dimensions.
>
> 73 james ke4drn
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

20037. RE: [ham-antennas] Re: left over used antenna wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 22:07:22 UTC
From: Robert Garland
Topic: 19989 Message: 20037

> Well, if the outer skin is tarnish, and RF propagates by 'skin effect' my
> guess is it would depend on the relative conductivities of copper vs
> tarnish.
> I wonder if using a DC ohmmeter [being cautious not to break through to
> clean copper] to do a comparison would give results relevant at HF?
> 73, Brian KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of pchapman920
> Sent: Monday, October 03, 2011 7:33 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: left over used antenna wire
>
> Well....no doubt than tarn-x or Brasso would make it look pretty and bring
> back it's original luster and charm. That would certainly instil a lot of
> warm and fuzzies and make me feel proud about the recycle effort, but I
> guess it gets to the unasked question. Is there any advantage of going
> through that effort other than cosmetic? That is the way I should have
> worded it the first time around.....my apologies....!!
>
> --- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>>
>> Have you tried tarn-x?
>>
>> -----Original Message-----
>> From: ham-antennas@yahoogroups.com
>> [mailto:ham-antennas@yahoogroups.com] On Behalf Of pchapman920
>> Sent: Monday, October 03, 2011 4:28 PM
>> To: ham-antennas@yahoogroups.com
>> Subject: [ham-antennas] left over used antenna wire
>>
>> This is probably the dumb question of the month but.....
>>
>> I have over 100 feet of stranded copper clad from an antenna I took
>> down a while back. It has blackened from being in the elements for a
>> number of years. I do not live in a salt air environment, so there is
>> no burring or signs of corrosion. Have another antenna in mind I would
>> like to build with it. Other than cleaning ends for solder joints, I
>> can't think of any reason not to use it again.
>>
>> Anyone know of a reason not to use it?
>>
>
>>

>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
> members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
> suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

Robert Garland, NX3S

20038. Re: [ham-antennas] hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 22:26:30 UTC
From: Skyler
Topic: 19966 Message: 20038

I have one coming, but thank you very much. skyler
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler
Sent: Tuesday, October 04, 2011 3:12 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Skyler,
I have the instruction manual if you want, indicate where to send it?
Glad to help
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, October 3, 2011 8:42 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Hi Ken, I think you nailed it! That sure looks like it and I appreciate it. Now I have to see if he still has it. Thanks so much. Skyler N8XB
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler@...
Sent: Monday, October 03, 2011 7:41 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Skyler, take a look at Force 12,, C3s 6 element/

Tribander.http://www.texasantennas.com/index.php?option=com_content&view=article&id=64&Itemid=82
What you think??
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20039. RE: [ham-antennas] Re: 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 22:48:37 UTC
From: Richard Schmuke
Topic: 20012 Message: 20039

That is correct or it is the standard roll of 16,14 or 12 ga wire on a roll at Home Depot, Lowe’s or your local hardware store that you run in conduit or make a antenna with. If you want to remove the insulation buy the solid it is easier to work with when removing insulation. If you have a 2x4 laying around I can tell you how to make a neat wire stripper. I strip RG-11 CATV feed for the center copperweld with mine.

Rich , Kd0zz

Subject: Re: [ham-antennas] Re: 6 METER ANTENNAS

"*T*hermoplastic *H*igh *H*eat-resistant *N*ylon-coated." (The type of insulation)^

73,
Weston Fryatt
AK4BK
<#cite_note-19>

On 10/4/2011 4:48 PM, dean wrote:
>
> What is THHN
>
> 73, WY6L
>
> From: james27613
> Sent: Tuesday, October 04, 2011 1:54 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Re: 6 METER ANTENNAS
>
> hi Bill,
>
> I built a Moxon with # 12 THHN solid wire,
> it worked so well that I built a second one
> using 3/8" aluminum tubing T6061 with a pvc frame.
>
> http://www.kg4jjh.com/pdf/6m%20Moxon.pdf
>
> The above is nice plans but you can build it
> the way you like, just use the same dimensions.
>
> 73 james ke4drn
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20040. Re: [ham-antennas] hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-04 23:32:33 UTC
From: Ken Burchfield
Topic: 19966 Message: 20040

Skyler,
What I meant to say would I would be happy to e-mail you a copy
I find that the digital cpy is always handy, when I cant locate the hard cpy
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 4, 2011 5:26 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

I have one coming, but thank you very much. skyler
  ----- Original Message -----
  From: Ken Burchfield
  To: ham-antennas@yahoogroups.com
  Cc: Skyler
  Sent: Tuesday, October 04, 2011 3:12 PM
  Subject: Re: [ham-antennas] hekp ID Please HF Beam

  Skyler,
  I have the instruction manual if you want, indicate where to send it?
  Glad to help
  73 Ken

  PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

  ---
  From: Skyler <Skyler@...>
  To: ham-antennas@yahoogroups.com
  Sent: Monday, October 3, 2011 8:42 PM
  Subject: Re: [ham-antennas] hekp ID Please HF Beam

  Hi Ken, I think you nailed it! That sure looks like it and I appreciate it. Now I have to see if he still has it. Thanks so much. Skyler N8XB
    ----- Original Message -----
    From: Ken Burchfield
    To: ham-antennas@yahoogroups.com
    Cc: Skyler@...
    Sent: Monday, October 03, 2011 7:41 PM
    Subject: Re: [ham-antennas] hekp ID Please HF Beam

    Skyler, take a look at Force 12,, C3s 6 element/

    Tribander.http://www.texasantennas.com/index.php?option=com_content&view=article&id=64&Itemid=82

What you think??
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

------

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20041. Re: Portable / Mobile NVIS Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 00:10:25 UTC
From: kd8dvy@ymail.com
Topic: 19957 Message: 20041

When I work NVIS I can get about 350 miles or so and that is on 40/80 meter and my antenna center is 12-15' and the ends are about 2-4' off the ground.

This is where things get really interesting. I am a purely QRP SSB operator and it still works. There is a group called LXpedition that is only local to ATLANTA, GA and that is all we do. You may want to contact the Moderator and ask him how you can do something local to your area.

This is one of my portable set-ups.

Harold
KD8DVY

--- In ham-antennas@...m, "Tom" <tom.majewski@...> wrote:
>
> Please excuse the messed up duplicate links.
>
>
> Tom, N3UJM
>

20042. Re: [ham-antennas] Re: 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 00:16:13 UTC
From: Jay Jordan
Topic: 20012 Message: 20042

You asked ....

<>What is THHN <>

73, WY6L

It is a type of wire insulation with a temp rating of 90 degrees C
T hermal H igh H eat N ylon coated - it comes on solid or stranded copper wire .

Jay NX2C

20043. Re: [ham-antennas] hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 00:48:51 UTC
From: Skyler
Topic: 19966 Message: 20043

Hi, Ok Ken that would be great. I can do some reading. Thanks, I'll watch for it. Skyler
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 04, 2011 7:32 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Skyler,
What I meant to say would I would be happy to e-mail you a copy
I find that the digital cpy is always handy, when I cant locate the hard cpy
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 4, 2011 5:26 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

I have one coming, but thank you very much. skyler
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler
Sent: Tuesday, October 04, 2011 3:12 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Skyler,
I have the instruction manual if you want, indicate where to send it?
Glad to help
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, October 3, 2011 8:42 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Hi Ken, I think you nailed it! That sure looks like it and I appreciate it. Now I have to see if he still has it. Thanks so much. Skyler N8XB
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler@...

Sent: Monday, October 03, 2011 7:41 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Skyler, take a look at Force 12,, C3s 6 element/

Tribander.http://www.texasantennas.com/index.php?option=com_content&view=article&id=64&Itemid=82
What you think??
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

------

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20044. Re: [ham-antennas] hekp ID Please HF Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 00:50:58 UTC
From: Skyler
Topic: 19966 Message: 20044

OOps, You can email it to info @...
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 04, 2011 7:32 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Skyler,
What I meant to say would I would be happy to e-mail you a copy
I find that the digital cpy is always handy, when I cant locate the hard cpy
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 4, 2011 5:26 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

I have one coming, but thank you very much. skyler
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler
Sent: Tuesday, October 04, 2011 3:12 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Skyler,
I have the instruction manual if you want, indicate where to send it?
Glad to help
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Skyler <Skyler@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, October 3, 2011 8:42 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Hi Ken, I think you nailed it! That sure looks like it and I appreciate it. Now I have to see if he still has it. Thanks so much. Skyler N8XB
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Cc: Skyler@...

Sent: Monday, October 03, 2011 7:41 PM
Subject: Re: [ham-antennas] hekp ID Please HF Beam

Skyler, take a look at Force 12,, C3s 6 element/

Tribander.http://www.texasantennas.com/index.php?option=com_content&view=article&id=64&Itemid=82
What you think??
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

------

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20045. Re: [ham-antennas] Re: Portable / Mobile NVIS Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 00:57:08 UTC
From: dean
Topic: 19957 Message: 20045

As soon as I get the stud for my 3/8 x 24 mount I'll be doing a 40 / 75 meter NVIS but up at 12 to 15' off the ground. My vehicle will be the ground part of the antenna so should be interesting on how long the wire will be. I've been trying to convince our local SAR (Search and Rescue) group to go NVIS on 40 meters, but of course that would mean more generals and higher licenses. We generally don't do search's after dark. We are always in nasty terrain.

I've never tried QRP at all. I'm mostly 100 W's of power mobile and portable and 500 W's in the shack.

73, WY6L

From: kd8dvy@...
Sent: Tuesday, October 04, 2011 5:10 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Portable / Mobile NVIS Antennas

When I work NVIS I can get about 350 miles or so and that is on 40/80 meter and my antenna center is 12-15' and the ends are about 2-4' off the ground.

This is where things get really interesting. I am a purely QRP SSB operator and it still works. There is a group called LXpedition that is only local to ATLANTA, GA and that is all we do. You may want to contact the Moderator and ask him how you can do something local to your area.

This is one of my portable set-ups.

Harold
KD8DVY

--- In mailto:ham-antennas%40yahoogroups.com, "Tom" <tom.majewski@...> wrote:
>
> Please excuse the messed up duplicate links.
>
>
> Tom, N3UJM
>

[Non-text portions of this message have been removed]

20046. Re: [ham-antennas] anyone know much about a ISApole 144

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 03:19:54 UTC
From: Dave Oldridge
Topic: 19968 Message: 20046

On 02/10/2011 5:01 PM, ke7uyc wrote:
> Hi All anyone know much about a 2 meter ISAPOLE?
>

The Isopole is two conical ground sections and a quarter wave radiator.
The mast part used to be not included. I have had a couple of these and
they worked just fine. We even used one for a repeater antenna back east.

--
Dave Oldridge
Skype: daveoldridge
Ham Radio: VA7CZ

Scanned with AntiVir MailGuard v10.0.1.42 AVE 8.2.6.76 VDF 7.11.15.100

[Non-text portions of this message have been removed]

20047. Re: [ham-antennas] Mosley TA33 and rotor sizing??

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 12:09:24 UTC
From: Ron Youvan
Topic: 19970 Message: 20047

Walt wrote:

> I did not know what balun meant, sorry to say. I was educated soon enough

It is a contraction of the name of a BALanced to UNbalanced device.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20048. Re: [ham-antennas] anyone know much about a ISApole 144

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 13:45:49 UTC
From: Joe
Topic: 19968 Message: 20048

Nope,

I had several.

The cones equal to the ground plane, but the lower cone and the
radiating element top are 5/8 wave long. so it is an extended double
zepp dipole vertically polarized. With another cone to help cut off more
currents from going down the mast.
Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/4/2011 10:19 PM, Dave Oldridge wrote:
> On 02/10/2011 5:01 PM, ke7uyc wrote:
>> Hi All anyone know much about a 2 meter ISAPOLE?
>>
> The Isopole is two conical ground sections and a quarter wave radiator.
> The mast part used to be not included. I have had a couple of these and
> they worked just fine. We even used one for a repeater antenna back east.
>
>
>

[Non-text portions of this message have been removed]

20049. Re: 6 METER ANTENNAS (wire stripper)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 15:55:46 UTC
From: hitekgearhead
Topic: 20012 Message: 20049

Rich,
Do tell about this nifty wire stripper you made

.... inquiring minds want to know....

-Albert
KI4ORI

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> That is correct or it is the standard roll of 16,14 or 12 ga wire on a roll at Home Depot, Loweâ☐☐s or your local hardware store that you run in conduit or make a antenna with. If you want to remove the insulation buy the solid it is easier to work with when removing insulation. If you have a 2x4 laying around I can tell you how to make a neat wire stripper. I strip RG-11 CATV feed for the center copperweld with mine.
>
> Rich , Kd0zz
>

20050. RE: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 16:59:10 UTC
From: Richard Schmuke
Topic: 20012 Message: 20050

OK , I don't have a picture of it but I could take one if needed. Everything I do is by a basic guide line of **SWAG. First step it to take a section of scrap 2x4 wood, drill a hole into the 1.5 side, thru the 3.5 dimension, about 1.5 to 2" from the end. The diameter of the hole is a slip fit for the cable/wire you are going to use. For the RG-11 I use a 7/16 hole (.437) for the 405 dia cable. Next step is the take a hacksaw or any thin bladed saw and cut a slot down to the hole, off center the amount of the insulation would be great but not 100% a necessity. Place a utility knife blade in the slot far enough to cut the insulation but not nick the wire. Apply a "C" clamp to the top of the 2x4 to hold the blade in place, or you could get fancy and put a bolt thru the 2x4 to secure the blade. Now place the 2x4 in a vice, place your roll of coax on a broom handle supported by two jack stands and you can run off enough for a 80M dipole in no time flat. With the insulation cut be it RG-11 or 12ga you can strip the weakened insulation off the wire. This works great will all but solid dielectric coax. With THHN once the insulation is highly damaged by the blade on one side it is easy to pull off, unless you are making a 160 EZD.

Rich , Kd0zz

** SWAG = scientific wild ass guess

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of hitekgearhead
Sent: Wednesday, October 05, 2011 10:56 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Rich,
Do tell about this nifty wire stripper you made

.... inquiring minds want to know....

-Albert
KI4ORI

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
>
> That is correct or it is the standard roll of 16,14 or 12 ga wire on a roll at Home Depot, Loweâ€™s or your local hardware store that you run in conduit or make a antenna with. If you want to remove the insulation buy the solid it is easier to work with when removing insulation. If you have a 2x4 laying around I can tell you how to make a neat wire stripper. I strip RG-11 CATV feed for the center copperweld with mine.
>
> Rich , Kd0zz
>

[Non-text portions of this message have been removed]

20051. RE: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 18:24:05 UTC
From: danny garvin
Topic: 20012 Message: 20051

Pictures please!!

On Wed Oct 5th, 2011 11:59 AM CDT Richard Schmuke wrote:

>OK , I don't have a picture of it but I could take one if needed. Everything I do is by a basic guide line of **SWAG. First step it to take a section of scrap 2x4 wood, drill a hole into the 1.5 side, thru the 3.5 dimension, about 1.5 to 2" from the end. The diameter of the hole is a slip fit for the cable/wire you are going to use. For the RG-11 I use a 7/16 hole (.437) for the 405 dia cable. Next step is the take a hacksaw or any thin bladed saw and cut a slot down to the hole, off center the amount of the insulation would be great but not 100% a necessity. Place a utility knife blade in the slot far enough to cut the insulation but not nick the wire. Apply a "C" clamp to the top of the 2x4 to hold the blade in place, or you could get fancy and put a bolt thru the 2x4 to secure the blade. Now place the 2x4 in a vice, place your roll of coax on a broom handle supported by two jack stands and you can run off enough for a 80M dipole in no time
flat. With the insulation cut be it RG-11 or 12ga you can strip the weakened insulation off the wire. This works great will all but solid dielectric coax. With THHN once the insulation is highly damaged by the blade on one side it is easy to pull off, unless you are making a 160 EZD.
>
>Rich , Kd0zz
>
>
>
>** SWAG = scientific wild ass guess
>
>
>
>
>
>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of hitekgearhead
>Sent: Wednesday, October 05, 2011 10:56 AM
>To: ham-antennas@yahoogroups.com
>Subject: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
>
>
>
>
>
>Rich,
>Do tell about this nifty wire stripper you made
>
>.... inquiring minds want to know....
>

>-Albert
>KI4ORI
>
>--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
>>
>> That is correct or it is the standard roll of 16,14 or 12 ga wire on a roll at Home Depot, Loweâ€™s or your local hardware store that you run in conduit or make a antenna with. If you want to remove the insulation buy the solid it is easier to work with when removing insulation. If you have a 2x4 laying around I can tell you how to make a neat wire stripper. I strip RG-11 CATV feed for the center copperweld with mine.
>>
>> Rich , Kd0zz
>>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>

20052. Stripper Picture , wire that is

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 19:08:59 UTC
From: Richard Schmuke
Topic: 20012 Message: 20052

OK, here is a picture of a piece of hard wood set up for stripping some RG-6. It has smaller copperweld in it. The blade is set deeper into the wood in real use. I have it closer to the edge for show and tell. I told you I do things different each time. Picture is #42 in the Kd0zz album. I used bigger wood for the RG-11 CATV because of the tougher shield.

Rich , Kd0zz

Subject: RE: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Pictures please!!

On Wed Oct 5th, 2011 11:59 AM CDT Richard Schmuke wrote:

>OK , I don’t have a picture of it but I could take one if needed. Everything I do is by a basic guide line of **SWAG. First step it to take a section of scrap 2x4 wood, drill a hole into the 1.5 side, thru the 3.5 dimension, about 1.5 to 2” from the end. The diameter of the hole is a slip fit for the cable/wire you are going to use. For the RG-11 I use a 7/16 hole (.437) for the 405 dia cable. Next step is the take a hacksaw or any thin bladed saw and cut a slot down to the hole, off center the amount of the insulation would be great but not 100% a necessity. Place a utility knife blade in the slot far enough to cut the insulation but not nick the wire. Apply a “C” clamp to the top of the 2x4 to hold the blade in place, or you could get fancy and put a bolt thru the 2x4 to secure the blade. Now place the 2x4 in a vice, place your roll of coax on a broom handle supported by two jack stands and you can run off enough for a 80M dipole in no time
flat. With the insulation cut be it RG-11 or 12ga you can strip the weakened insulation off the wire. This works great will all but solid dielectric coax. With THHN once the insulation is highly damaged by the blade on one side it is easy to pull off, unless you are making a 160 EZD.
>
>Rich , Kd0zz
>
>
>
>** SWAG = scientific wild ass guess
>
>
>
>
>
>From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of hitekgearhead
>Sent: Wednesday, October 05, 2011 10:56 AM
>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>Subject: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

>
>
>
>
>
>Rich,
>Do tell about this nifty wire stripper you made
>
>.... inquiring minds want to know....
>
>-Albert
>KI4ORI
>
>--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
>>
>> That is correct or it is the standard roll of 16,14 or 12 ga wire on a roll at Home Depot, Loweâ€™s or your local hardware store that you run in conduit or make a antenna with. If you want to remove the insulation buy the solid it is easier to work with when removing insulation. If you have a 2x4 laying around I can tell you how to make a neat wire stripper. I strip RG-11 CATV feed for the center copperweld with mine.
>>
>> Rich , Kd0zz
>>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20053. AW: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 19:22:17 UTC
From: Siegfried Jackstien
Topic: 20012 Message: 20053

Ever heard of a "jokari" knife??
It is a wire stripper that all electricians here in dl use for stripping insulation off ...
It is a grip with a very small knife in it
the small bade can turn around in the grip
and so you can cut around the insulation ... and parallel to it (longitudinal)
deepness can be controlled with a small screw at the lower end of the grip
http://www.jokari.de/fileadmin/product_db/anleitungen/B10160.pdf

jokari makes many different wire strippers (and the best on the market *g*)

greetz
sigi
dg9bfc

ps I am just a user of this tools cause I am an electrician and use it every day ...

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von hitekgearhead
> Gesendet: Mittwoch, 5. Oktober 2011 15:56
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
>
>
>
> Rich,
> Do tell about this nifty wire stripper you made
>
> .... inquiring minds want to know....
>
> -Albert
> KI4ORI
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
> >
> > That is correct or it is the standard roll of 16,14 or 12 ga wire on a
> roll at Home Depot, Loweâ€™s or your local hardware store that you run in
> conduit or make a antenna with. If you want to remove the insulation buy
> the solid it is easier to work with when removing insulation. If you have
> a 2x4 laying around I can tell you how to make a neat wire stripper. I
> strip RG-11 CATV feed for the center copperweld with mine.
> >
> > Rich , Kd0zz
> >
>

>
>
>

20054. RE: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 19:43:59 UTC
From: Richard Schmuke
Topic: 20012 Message: 20054

Thanks for the tip Sigi, that looks like a great tool. It is a lot better than my wooden block. If I was working as a electrician I sure would get one.

Rich

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Siegfried Jackstien
Sent: Wednesday, October 05, 2011 2:22 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Ever heard of a "jokari" knife??
It is a wire stripper that all electricians here in dl use for stripping insulation off ...
It is a grip with a very small knife in it
the small bade can turn around in the grip
and so you can cut around the insulation ... and parallel to it (longitudinal)
deepness can be controlled with a small screw at the lower end of the grip
http://www.jokari.de/fileadmin/product_db/anleitungen/B10160.pdf

jokari makes many different wire strippers (and the best on the market *g*)

greetz
sigi
dg9bfc

ps I am just a user of this tools cause I am an electrician and use it every day ...

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] Im
> Auftrag von hitekgearhead
> Gesendet: Mittwoch, 5. Oktober 2011 15:56
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
>
>
>
> Rich,
> Do tell about this nifty wire stripper you made
>
> .... inquiring minds want to know....
>
> -Albert
> KI4ORI
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-
> antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:

> >
> > That is correct or it is the standard roll of 16,14 or 12 ga wire on a
> roll at Home Depot, Loweâ€™s or your local hardware store that you run in
> conduit or make a antenna with. If you want to remove the insulation buy
> the solid it is easier to work with when removing insulation. If you have
> a 2x4 laying around I can tell you how to make a neat wire stripper. I
> strip RG-11 CATV feed for the center copperweld with mine.
> >
> > Rich , Kd0zz
> >
>
>
>
>

[Non-text portions of this message have been removed]

20055. Re: AW: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 21:29:33 UTC
From: dean
Topic: 20012 Message: 20055

There is also a cable stripper that consists of a folded piece of steel with a small tab on it and you just hold it down and pull and it cuts the cable lengthwise.

I don't have one so no picture.

73, WY6L

From: Siegfried Jackstien
Sent: Wednesday, October 05, 2011 12:22 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Ever heard of a "jokari" knife??
It is a wire stripper that all electricians here in dl use for stripping insulation off ...
It is a grip with a very small knife in it
the small bade can turn around in the grip
and so you can cut around the insulation ... and parallel to it (longitudinal)
deepness can be controlled with a small screw at the lower end of the grip
http://www.jokari.de/fileadmin/product_db/anleitungen/B10160.pdf

jokari makes many different wire strippers (and the best on the market *g*)

greetz
sigi
dg9bfc

ps I am just a user of this tools cause I am an electrician and use it every day ...

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von hitekgearhead
> Gesendet: Mittwoch, 5. Oktober 2011 15:56
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
>
>
>
> Rich,
> Do tell about this nifty wire stripper you made
>
> .... inquiring minds want to know....
>
> -Albert
> KI4ORI
>
> --- In mailto:ham-antennas%40yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
> >
> > That is correct or it is the standard roll of 16,14 or 12 ga wire on a
> roll at Home Depot, Loweâ€™s or your local hardware store that you run in
> conduit or make a antenna with. If you want to remove the insulation buy
> the solid it is easier to work with when removing insulation. If you have
> a 2x4 laying around I can tell you how to make a neat wire stripper. I
> strip RG-11 CATV feed for the center copperweld with mine.
> >
> > Rich , Kd0zz
> >
>
>
>
>

[Non-text portions of this message have been removed]

20056. Tower Restrictions.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-05 23:48:55 UTC
From: Joe
Topic: 20056 Message: 20056

OK now ignore HOA's and covenants, and all that. I'm thinking like county level ordinances here.

Now do any of these laws that talk about towers and restrictions placed on them by a county zoning commission. Do they only apply to permanent towers?

What about a tower you can claim as being temporary?

IE: no concrete?

Guy anchors are screw in anchors.

Tower base is a pad only that can be removed easily. Nothing is "Set in concrete" pun intended. do the laws still apply then?

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

20057. Re: [ham-antennas] Tower Restrictions.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-06 00:25:48 UTC
From: Ron Youvan
Topic: 20056 Message: 20057

Joe WB9SBD wrote:

> OK now ignore HOA's and covenants, and all that. I'm thinking like
> county level ordinances here.

> Now do any of these laws that talk about towers and restrictions placed
> on them by a county zoning commission. Do they only apply to permanent
> towers?

> What about a tower you can claim as being temporary?

> IE: no concrete?

> Guy anchors are screw in anchors.

> Tower base is a pad only that can be removed easily. Nothing is "Set in
> concrete" pun intended. do the laws still apply then?

If it's on wheels it's not a a structure, otherwise almost all local
zoning regulations vary, in my county a structure used solely for HAM radio
is exempt from all regulations. In the three cities in this county severe
limitations apply.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20058. Re: [ham-antennas] Stripper Picture , wire that is

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-06 06:00:28 UTC
From: danny garvin
Topic: 20012 Message: 20058

Thanks Rich I had been thinking of a way to strip wire but this is much simpler and looks to be more effective than the ideas I had come up with.
73
   Danny WB9RIM

From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 5, 2011 2:08 PM
Subject: [ham-antennas] Stripper Picture , wire that is

OK, here is a picture of a piece of hard wood set up for stripping some RG-6. It has smaller copperweld in it. The blade is set deeper into the wood in real use. I have it closer to the edge for show and tell. I told you I do things different each time. Picture is #42 in the Kd0zz album. I used bigger wood for the RG-11 CATV because of the tougher shield.

Rich , Kd0zz

Subject: RE: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Pictures please!!

On Wed Oct 5th, 2011 11:59 AM CDT Richard Schmuke wrote:

>OK , I don't have a picture of it but I could take one if needed. Everything I do is by a basic guide line of **SWAG. First step it to take a section of scrap 2x4 wood, drill a hole into the 1.5 side, thru the 3.5 dimension, about 1.5 to 2" from the end. The diameter of the hole is a slip fit for the cable/wire you are going to use. For the RG-11 I use a 7/16 hole (.437) for the 405 dia cable. Next step is the take a hacksaw or any thin bladed saw and cut a slot down to the hole, off center the amount of the insulation would be great but not 100% a necessity. Place a utility knife blade in the slot far enough to cut the insulation but not nick the wire. Apply a "C" clamp to the top of the 2x4 to hold the blade in place, or you could get fancy and put a bolt thru the 2x4 to secure the blade. Now place the 2x4 in a vice, place your roll of coax on a broom handle supported by two jack stands and you can run off enough for a 80M dipole in no time
flat. With the insulation cut be it RG-11 or 12ga you can strip the weakened insulation off the wire. This works great will all but solid dielectric coax. With THHN once the insulation is highly damaged by the blade on one side it is easy to pull off, unless you are making a 160 EZD.
>
>Rich , Kd0zz
>
>
>
>** SWAG = scientific wild ass guess
>

>
>
>
>
>From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf
Of hitekgearhead
>Sent: Wednesday, October 05, 2011 10:56 AM
>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>Subject: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
>
>
>
>
>
>Rich,
>Do tell about this nifty wire stripper you made
>
>.... inquiring minds want to know....
>
>-Albert
>KI4ORI
>
>--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
>>
>> That is correct or it is the standard roll of 16,14 or 12 ga wire on a roll at Home
Depot, Loweâ€™s or your local hardware store that you run in conduit or make a antenna
with. If you want to remove the insulation buy the solid it is easier to work with when
removing insulation. If you have a 2x4 laying around I can tell you how to make a neat wire
stripper. I strip RG-11 CATV feed for the center copperweld with mine.
>>
>> Rich , Kd0zz
>>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20059. AW: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-06 06:02:38 UTC
From: Siegfried Jackstien
Topic: 20012 Message: 20059

Hi rich
Yepp ... it IS a great tool ...
They make different strippers for different work
But most of the "jokari" knifes can be used to make that longitudinal cut
Maybe others find it useful too
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard Schmuke
> Gesendet: Mittwoch, 5. Oktober 2011 19:44
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
>
>
>
> Thanks for the tip Sigi, that looks like a great tool. It is a lot better
> than my wooden block. If I was working as a electrician I sure would get
> one.
>
> Rich
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>] On Behalf Of Siegfried Jackstien
> Sent: Wednesday, October 05, 2011 2:22 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
>
> Ever heard of a "jokari" knife??
> It is a wire stripper that all electricians here in dl use for stripping
> insulation off ...
> It is a grip with a very small knife in it
> the small bade can turn around in the grip
> and so you can cut around the insulation ... and parallel to it
> (longitudinal)
> deepness can be controlled with a small screw at the lower end of the grip
> http://www.jokari.de/fileadmin/product_db/anleitungen/B10160.pdf
>
> jokari makes many different wire strippers (and the best on the market
> *g*)
>
> greetz

> sigi
> dg9bfc
>
> ps I am just a user of this tools cause I am an electrician and use it
> every day ...
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>] Im
> > Auftrag von hitekgearhead
> > Gesendet: Mittwoch, 5. Oktober 2011 15:56
> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Betreff: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
> >
> >
> >
> > Rich,
> > Do tell about this nifty wire stripper you made
> >
> > .... inquiring minds want to know....
> >
> > -Albert
> > KI4ORI
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-
> > antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
> > >
> > > That is correct or it is the standard roll of 16,14 or 12 ga wire on a
> > roll at Home Depot, Loweâ€™s or your local hardware store that you run
> in
> > conduit or make a antenna with. If you want to remove the insulation buy
> > the solid it is easier to work with when removing insulation. If you
> have
> > a 2x4 laying around I can tell you how to make a neat wire stripper. I
> > strip RG-11 CATV feed for the center copperweld with mine.
> > >
> > > Rich , Kd0zz
> > >
> >
> >
> >
> >
> >
> [Non-text portions of this message have been removed]
>

>
>
>

20060. AW: [ham-antennas] Stripper Picture , wire that is

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-06 06:03:57 UTC
From: Siegfried Jackstien
Topic: 20012 Message: 20060

I would use my "JOKARI" knife :-)
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von danny garvin
> Gesendet: Donnerstag, 6. Oktober 2011 06:00
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Stripper Picture , wire that is
>
>
>
> Thanks Rich I had been thinking of a way to strip wire but this is much
> simpler and looks to be more effective than the ideas I had come up with.
> 73
> Danny WB9RIM
>
> _____
> From: Richard Schmuke <rdj@... <mailto:rdj%40wildblue.net> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, October 5, 2011 2:08 PM
> Subject: [ham-antennas] Stripper Picture , wire that is
>
>
> OK, here is a picture of a piece of hard wood set up for stripping some
> RG-6. It has smaller copperweld in it. The blade is set deeper into the
> wood in real use. I have it closer to the edge for show and tell. I told
> you I do things different each time. Picture is #42 in the Kd0zz album. I
> used bigger wood for the RG-11 CATV because of the tougher shield.
>
> Rich , Kd0zz
>
> Subject: RE: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
>
> Pictures please!!
>
> On Wed Oct 5th, 2011 11:59 AM CDT Richard Schmuke wrote:
>
> >OK , I don’t have a picture of it but I could take one if needed.
> Everything I do is by a basic guide line of **SWAG. First step it to take
> a section of scrap 2x4 wood, drill a hole into the 1.5 side, thru the 3.5
> dimension, about 1.5 to 2” from the end. The diameter of the hole is a
> slip fit for the cable/wire you are going to use. For the RG-11 I use a
> 7/16 hole (.437) for the 405 dia cable. Next step is the take a hacksaw or

> any thin bladed saw and cut a slot down to the hole, off center the amount
> of the insulation would be great but not 100% a necessity. Place a utility
> knife blade in the slot far enough to cut the insulation but not nick the
> wire. Apply a “C” clamp to the top of the 2x4 to hold the blade in place,
> or you could get fancy and put a bolt thru the 2x4 to secure the blade.
> Now place the 2x4 in a vice, place your roll of coax on a broom handle
> supported by two jack stands and you can run off enough for a 80M dipole
> in no time
> flat. With the insulation cut be it RG-11 or 12ga you can strip the
> weakened insulation off the wire. This works great will all but solid
> dielectric coax. With THHN once the insulation is highly damaged by the
> blade on one side it is easy to pull off, unless you are making a 160 EZD.
> >
> >Rich , Kd0zz
> >
> >
> >
> >** SWAG = scientific wild ass guess
> >
> >
> >
> >
> >
> >From: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>] On
> Behalf Of hitekgearhead
> >Sent: Wednesday, October 05, 2011 10:56 AM
> >To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> >Subject: [ham-antennas] Re: 6 METER ANTENNAS (wire stripper)
> >
> >
> >
> >
> >
> >Rich,
> >Do tell about this nifty wire stripper you made
> >
> >.... inquiring minds want to know....
> >
> >-Albert
> >KI4ORI
> >
> >--- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...>
> wrote:
> >>

> >> That is correct or it is the standard roll of 16,14 or 12 ga wire on a
> roll at Home Depot, Loweâ€™s or your local hardware store that you run in
> conduit or make a antenna with. If you want to remove the insulation buy
> the solid it is easier to work with when removing insulation. If you have
> a 2x4 laying around I can tell you how to make a neat wire stripper. I
> strip RG-11 CATV feed for the center copperweld with mine.
> >>
> >> Rich , Kd0zz
> >>
> >
> >
> >
> >
> >
> >[Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

20061. Re: [ham-antennas] Tower Restrictions.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-06 11:54:09 UTC
From: Frank Kirschner
Topic: 20056 Message: 20061

Ron is right: the only thing that is constant is change.

Requirements vary radically from one locality to another. Some include any structure, whether temporary or permanent, others don't.

The best bet is to call your local (county or city) zoning board and the corresponding permit office. The zoning board will tell you the rules, and the permit office will tell you what rules are enforced, and in what way.

Good luck.

73,
Frank
KF6E

On Wed, Oct 5, 2011 at 8:25 PM, Ron Youvan <ka4inm@...> wrote:

> **
>
> If it's on wheels it's not a a structure, otherwise almost all local
> zoning regulations vary, in my county a structure used solely for HAM radio
> is exempt from all regulations. In the three cities in this county severe
> limitations apply.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
> _
>

[Non-text portions of this message have been removed]

20062. Re: [ham-antennas] Tower Restrictions.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-06 12:02:30 UTC
From: Terry Maurice
Topic: 20056 Message: 20062

We are much better off in Canada with respect to amateur communication towers. It is a Federal jurisdiction and local municipalities cannot pass enforceable by-laws to prevent the putting up of towers by radio amateurs. If one signs an agreement with a particular development that prohibits such towers then the right is probably waived. Otherwise the airwaves are a federal jurisdiction and as long as one meets the federal requirements there is not much local municipalities can do to prevent the erection of a tower. There are height restrictions that require special permission but for most smaller towers are allowed. That is not to say that one will not get into issues with neighbors who object to the tower, but in the end radio amateurs win out. Many municipalities have tried to prevent amateurs from erecting towers, but in the end they find out that they do not have jurisdiction over them.

Terry
VE3XTM

On 06/10/2011 07:54, Frank Kirschner wrote:
>
> Ron is right: the only thing that is constant is change.
>
> Requirements vary radically from one locality to another. Some include any
> structure, whether temporary or permanent, others don't.
>
> The best bet is to call your local (county or city) zoning board and the
> corresponding permit office. The zoning board will tell you the rules, and
> the permit office will tell you what rules are enforced, and in what way.
>
> Good luck.
>
> 73,
> Frank
> KF6E
>
> On Wed, Oct 5, 2011 at 8:25 PM, Ron Youvan <ka4inm@...
> <mailto:ka4inm%40tampabay.rr.com>> wrote:
>
> > **
> >
> > If it's on wheels it's not a a structure, otherwise almost all local
> > zoning regulations vary, in my county a structure used solely for
> HAM radio
> > is exempt from all regulations. In the three cities in this county
> severe
> > limitations apply.

> > --
> > Ron KA4INM - Did you know ...
> > ... that no-one ever reads these things?
> >
> > _
> >
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

20063. Re: [ham-antennas] left over used antenna wire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-06 13:21:44 UTC
From: Memwl
Topic: 19989 Message: 20063

No question is Dumb.
I would use it

73
Mike
ke7sbe

>_____
>From: pchapman920 <p_chap@...>
>To: ham-antennas@yahoogroups.com
>Sent: Monday, October 3, 2011 2:28 PM
>Subject: [ham-antennas] left over used antenna wire
>
>
>
>This is probably the dumb question of the month but.....
>
>I have over 100 feet of stranded copper clad from an antenna I took down a while back. It has blackened from being in the elements for a number of years. I do not live in a salt air environment, so there is no burring or signs of corrosion. Have another antenna in mind I would like to build with it. Other than cleaning ends for solder joints, I can't think of any reason not to use it again.
>
>Anyone know of a reason not to use it?
>
>
>
>
>

[Non-text portions of this message have been removed]

20064. Re: Tower Restrictions.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-06 18:46:15 UTC
From: Bryan
Topic: 20056 Message: 20064

Joe,

Your question is best answered by your county building and zoning department. They are the ones who can definitively answer questions that apply to /your/ situation. Everything else is just speculation. Sometimes the info and forms are online.

That said, if you intend to install a tower, there is LOTS more to consider than permitting. I highly recommend 'Up The Tower' by Steve Morris K7LXC (www.championradio.com). Steve's book pointed me in the right direction for answers to questions I had. It also informed me where to find answers to questions I didn't know I had. Steve also moderates and posts to the Tower Talk email reflector (http://lists.contesting.com/mailman/listinfo/towertalk).

As of about a week ago, my tower permit process is started. The permit and its associated costs (PE paperwork) is not insignificant but, I'm covered in the event of trouble. This includes loss/liability, and troublemaker neighbors. This was all covered in K7LXC's book - the best $35 you can invest toward your tower.

vy 73,
Bryan WA7PRC

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> OK now ignore HOA's and covenants, and all that. I'm thinking like
> county level ordinances here.
>
> Now do any of these laws that talk about towers and restrictions placed
> on them by a county zoning commission. Do they only apply to permanent
> towers?
>
> What about a tower you can claim as being temporary?
>
> IE: no concrete?
>
> Guy anchors are screw in anchors.
>
> Tower base is a pad only that can be removed easily. Nothing is "Set in
> concrete" pun intended. do the laws still apply then?
>
> Joe WB9SBD

20065. Re: Portable / Mobile NVIS Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-06 22:38:02 UTC
From: Tom
Topic: 19957 Message: 20065

After a week of experimenting.
Testing is with myself and another station 40 miles away, but over a mountain. We know no ground wave is working. Our end goal is to have reliable, portable low power NVIS comms less than 200 miles.

First we both tried a Hamstick "T" dipole arrangement mounted on a tripod 8 feet high on 40M with no success. No QSO even at 100 watts.

Then we tried 64 ft wire dipoles for 40 meters. At first we had the dipoles at 8 feet high, and heard very faint copy at 100W, and none at 50W. At the same time I was having great qso with people 400 to 1000 miles away, so that told me my radiating lobes were still too shallow.

Then we kept lowering the dipoles until we found a sweet spot for 40 Meters. Look like 3 feet high at the center and 2 feet high at the ends, just supported with wood stakes. Now we have good copy QSO at 5 WATTS SSB! So now we have 40 and 60 meters licked. 80 meters showed no signal- I'm thinking the dipole needs to be 2X higher for 80M.

Now that we have a handle on antenna height, one of us will go back to the Hamstick arrangement, only lower, and try again.

The next step will be trying PSK at less than 5 watts.

I'm looking into other portable NVIS antennas, some are dual autotune screwdrivers, some are just mil-spec loaded coils.

To be continued.

Tom N3UJM

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> As soon as I get the stud for my 3/8 x 24 mount Iâ□□ll be doing a 40 / 75 meter NVIS but up at 12 to 15â□□ off the ground. My vehicle will be the ground part of the antenna so should be interesting on how long the wire will be. Iâ□□ve been trying to convince our local SAR (Search and Rescue) group to go NVIS on 40 meters, but of course that would mean more generals and higher licenses. We generally donâ□□t do searchâ□□s after dark. We are always in nasty terrain.
>
> Iâ□□ve never tried QRP at all. Iâ□□m mostly 100 Wâ□□s of power mobile and portable and 500 Wâ□□s in the shack.
>
> 73, WY6L
>
> From: kd8dvy@...
> Sent: Tuesday, October 04, 2011 5:10 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Portable / Mobile NVIS Antennas

>
>
> When I work NVIS I can get about 350 miles or so and that is on 40/80 meter and my antenna center is 12-15' and the ends are about 2-4' off the ground.
>
> This is where things get really interesting. I am a purely QRP SSB operator and it still works. There is a group called LXpedition that is only local to ATLANTA, GA and that is all we do. You may want to contact the Moderator and ask him how you can do something local to your area.
>
> This is one of my portable set-ups.
>
> Harold
> KD8DVY
>
> --- In mailto:ham-antennas%40yahoogroups.com, "Tom" <tom.majewski@> wrote:
> >
> > Please excuse the messed up duplicate links.
> >
> >
> > Tom, N3UJM
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20066. Re: [ham-antennas] Re: Portable / Mobile NVIS Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-07 00:30:49 UTC
From: dean
Topic: 19957 Message: 20066

I’m looking forward to more info on this

73, WY6L

From: Tom
Sent: Thursday, October 06, 2011 3:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Portable / Mobile NVIS Antennas

After a week of experimenting.
Testing is with myself and another station 40 miles away, but over a mountain. We know no ground wave is working. Our end goal is to have reliable, portable low power NVIS comms less than 200 miles.

First we both tried a Hamstick "T" dipole arrangement mounted on a tripod 8 feet high on 40M with no success. No QSO even at 100 watts.

Then we tried 64 ft wire dipoles for 40 meters. At first we had the dipoles at 8 feet high, and heard very faint copy at 100W, and none at 50W. At the same time I was having great qso with people 400 to 1000 miles away, so that told me my radiating lobes were still too shallow.

Then we kept lowering the dipoles until we found a sweet spot for 40 Meters. Look like 3 feet high at the center and 2 feet high at the ends, just supported with wood stakes. Now we have good copy QSO at 5 WATTS SSB! So now we have 40 and 60 meters licked. 80 meters showed no signal- I'm thinking the dipole needs to be 2X higher for 80M.

Now that we have a handle on antenna height, one of us will go back to the Hamstick arrangement, only lower, and try again.

The next step will be trying PSK at less than 5 watts.

I'm looking into other portable NVIS antennas, some are dual autotune screwdrivers, some are just mil-spec loaded coils.

To be continued.

Tom N3UJM

--- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
>
> As soon as I get the stud for my 3/8 x 24 mount Iâ□□ll be doing a 40 / 75 meter NVIS but up at 12 to 15â□□ off the ground. My vehicle will be the ground part of the antenna so should be interesting on how long the wire will be. Iâ□□ve been trying to convince our local SAR (Search and Rescue) group to go NVIS on 40 meters, but of course that would mean more generals and higher licenses. We generally donâ□□t do searchâ□□s after dark. We are always in nasty terrain.
>
> Iâ□□ve never tried QRP at all. Iâ□□m mostly 100 Wâ□□s of power mobile and portable and 500 Wâ□□s in the

shack.
>
> 73, WY6L
>
> From: kd8dvy@...
> Sent: Tuesday, October 04, 2011 5:10 PM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] Re: Portable / Mobile NVIS Antennas
>
>
> When I work NVIS I can get about 350 miles or so and that is on 40/80 meter and my antenna center is 12-15' and the ends are about 2-4' off the ground.
>
> This is where things get really interesting. I am a purely QRP SSB operator and it still works. There is a group called LXpedition that is only local to ATLANTA, GA and that is all we do. You may want to contact the Moderator and ask him how you can do something local to your area.
>
> This is one of my portable set-ups.
>
> Harold
> KD8DVY
>
> --- In mailto:ham-antennas%40yahoogroups.com, "Tom" <tom.majewski@> wrote:
> >
> > Please excuse the messed up duplicate links.
> >
> >
> > Tom, N3UJM
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20067. Re: Portable / Mobile NVIS Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-07 00:35:56 UTC
From: AB2ZY
Topic: 19957 Message: 20067

Tom,

Just FYI, there is a Yahoo NVIS group - http://groups.yahoo.com/group/NVIS/

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Tom" <tom.majewski@...> wrote:
>
>
>
>
>
>
> After a week of experimenting.
> Testing is with myself and another station 40 miles away, but over a mountain. We know no ground wave is working. Our end goal is to have reliable, portable low power NVIS comms less than 200 miles.
>
> First we both tried a Hamstick "T" dipole arrangement mounted on a tripod 8 feet high on 40M with no success. No QSO even at 100 watts.
>
> Then we tried 64 ft wire dipoles for 40 meters. At first we had the dipoles at 8 feet high, and heard very faint copy at 100W, and none at 50W. At the same time I was having great qso with people 400 to 1000 miles away, so that told me my radiating lobes were still too shallow.
>
> Then we kept lowering the dipoles until we found a sweet spot for 40 Meters. Look like 3 feet high at the center and 2 feet high at the ends, just supported with wood stakes. Now we have good copy QSO at 5 WATTS SSB! So now we have 40 and 60 meters licked. 80 meters showed no signal- I'm thinking the dipole needs to be 2X higher for 80M.
>
> Now that we have a handle on antenna height, one of us will go back to the Hamstick arrangement, only lower, and try again.
>
> The next step will be trying PSK at less than 5 watts.
>
> I'm looking into other portable NVIS antennas, some are dual autotune screwdrivers, some are just mil-spec loaded coils.
>
> To be continued.
>
> Tom N3UJM
>
> --- In ham-antennas@yahoogroups.com, "dean" <deanf@> wrote:
> >
> > As soon as I get the stud for my 3/8 x 24 mount Iâ☐☐ll be doing a 40 / 75 meter NVIS but up at 12 to 15â☐☐ off the ground. My vehicle will be the ground part of the antenna so should be interesting on how long the wire will be.

Iâ□□ve been trying to convince our local SAR (Search and Rescue) group to go NVIS on 40 meters, but of course that would mean more generals and higher licenses. We generally donâ□□t do searchâ□□s after dark. We are always in nasty terrain.
> >
> > Iâ□□ve never tried QRP at all. Iâ□□m mostly 100 Wâ□□s of power mobile and portable and 500 Wâ□□s in the shack.
> >
> > 73, WY6L
> >
> > From: kd8dvy@
> > Sent: Tuesday, October 04, 2011 5:10 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] Re: Portable / Mobile NVIS Antennas
> >
> >
> > When I work NVIS I can get about 350 miles or so and that is on 40/80 meter and my antenna center is 12-15' and the ends are about 2-4' off the ground.
> >
> > This is where things get really interesting. I am a purely QRP SSB operator and it still works. There is a group called LXpedition that is only local to ATLANTA, GA and that is all we do. You may want to contact the Moderator and ask him how you can do something local to your area.
> >
> > This is one of my portable set-ups.
> >
> > Harold
> > KD8DVY
> >
> > --- In mailto:ham-antennas%40yahoogroups.com, "Tom" <tom.majewski@> wrote:
> > >
> > > Please excuse the messed up duplicate links.
> > >
> > >
> > > Tom, N3UJM
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

20068. Re: [ham-antennas] Tower Restrictions.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-07 19:35:03 UTC
From: Timothy-Allen Albertson
Topic: 20056 Message: 20068

governmental restrictions are much easier to deal with the FCC has
exercised its power to partially preempt state and local laws regulating
tower and antenna restrictions to provide that those governmental entities
must provide such reasonable accommodations as re necessary to allow Hams
effective use of their spectrum

http://www.arrl.org/antenna-regulation-and-zoning

On Wed, Oct 5, 2011 at 6:48 PM, Joe <nss@...> wrote:

> **
>
>
> OK now ignore HOA's and covenants, and all that. I'm thinking like
> county level ordinances here.
>
> Now do any of these laws that talk about towers and restrictions placed
> on them by a county zoning commission. Do they only apply to permanent
> towers?
>
> What about a tower you can claim as being temporary?
>
> IE: no concrete?
>
> Guy anchors are screw in anchors.
>
> Tower base is a pad only that can be removed easily. Nothing is "Set in
> concrete" pun intended. do the laws still apply then?
>
> Joe WB9SBD
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> [Non-text portions of this message have been removed]
>
>
>

--
73 DE TIM KD∅OIA

[Non-text portions of this message have been removed]

20069. Re: [ham-antennas] Tower Restrictions.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-07 20:05:24 UTC
From: Joe
Topic: 20056 Message: 20069

Yeah I know all about it.

Thing is in this county gravity must behave in weird ways. Most of
their ordnance is OK. I can go even as high as 75 feet without having
to get special permission. BUT

They have one part of the ordnance that makes absolutely no sense at
all. and it is extremely obvious that whoever wrote it has never ever
seen a tower fall down.

The tower must be located no closer to anty property bopundary by at
least 1.5 times the height of the tower.

so a 50 foot tower needs to be 75 feet away from the property line.

I guess when it falls down it gets extra energy and can jump the extra
25 aso it can reach the property line.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/7/2011 2:35 PM, Timothy-Allen Albertson wrote:
> governmental restrictions are much easier to deal with the FCC has
> exercised its power to partially preempt state and local laws regulating
> tower and antenna restrictions to provide that those governmental entities
> must provide such reasonable accommodations as re necessary to allow Hams
> effective use of their spectrum
>
> http://www.arrl.org/antenna-regulation-and-zoning
>
> On Wed, Oct 5, 2011 at 6:48 PM, Joe<nss@...> wrote:
>
>> **
>>
>>
>> OK now ignore HOA's and covenants, and all that. I'm thinking like
>> county level ordinances here.
>>
>> Now do any of these laws that talk about towers and restrictions placed
>> on them by a county zoning commission. Do they only apply to permanent
>> towers?
>>
>> What about a tower you can claim as being temporary?

>>
>> IE: no concrete?
>>
>> Guy anchors are screw in anchors.
>>
>> Tower base is a pad only that can be removed easily. Nothing is "Set in
>> concrete" pun intended. do the laws still apply then?
>>
>> Joe WB9SBD
>> --
>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>

[Non-text portions of this message have been removed]

20070. AW: [ham-antennas] Tower Restrictions.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-07 20:53:28 UTC
From: Siegfried Jackstien
Topic: 20056 Message: 20070

Here in dl the tower has to be half its height from the property line
Maybe here in dl all towers break in the center before falling down ...
Then the lower half falls to the property line and the upper half folds back
on the lower half :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe
> Gesendet: Freitag, 7. Oktober 2011 20:05
> An: ham-antennas@yahoogroups.com
> Cc: Timothy-Allen Albertson
> Betreff: Re: [ham-antennas] Tower Restrictions.
>
>
>
> Yeah I know all about it.
>
> Thing is in this county gravity must behave in weird ways. Most of
> their ordnance is OK. I can go even as high as 75 feet without having
> to get special permission. BUT
>
> They have one part of the ordnance that makes absolutely no sense at
> all. and it is extremely obvious that whoever wrote it has never ever
> seen a tower fall down.
>
> The tower must be located no closer to anty property bopundary by at
> least 1.5 times the height of the tower.
>
> so a 50 foot tower needs to be 75 feet away from the property line.
>
> I guess when it falls down it gets extra energy and can jump the extra
> 25 aso it can reach the property line.
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 10/7/2011 2:35 PM, Timothy-Allen Albertson wrote:
> > governmental restrictions are much easier to deal with the FCC has
> > exercised its power to partially preempt state and local laws regulating

> > tower and antenna restrictions to provide that those governmental
> entities
> > must provide such reasonable accommodations as re necessary to allow
> Hams
> > effective use of their spectrum
> >
> > http://www.arrl.org/antenna-regulation-and-zoning
> >
> > On Wed, Oct 5, 2011 at 6:48 PM, Joe<nss@... <mailto:nss%40mwt.net> >
> wrote:
> >
> >> **
> >>
> >>
> >> OK now ignore HOA's and covenants, and all that. I'm thinking like
> >> county level ordinances here.
> >>
> >> Now do any of these laws that talk about towers and restrictions placed
> >> on them by a county zoning commission. Do they only apply to permanent
> >> towers?
> >>
> >> What about a tower you can claim as being temporary?
> >>
> >> IE: no concrete?
> >>
> >> Guy anchors are screw in anchors.
> >>
> >> Tower base is a pad only that can be removed easily. Nothing is "Set in
> >> concrete" pun intended. do the laws still apply then?
> >>
> >> Joe WB9SBD
> >> --
> >>
> >> The Original Rolling Ball Clock
> >> Idle Tyme
> >> Idle-Tyme.com
> >> http://www.idle-tyme.com
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >>
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

20071. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-07 21:43:11 UTC
From: goldtr8@charter.net
Topic: 20015 Message: 20071

Brian

What is the ACE part number and name of the product.

Thanks

~73
Don
KD8NNU

On Tue, Oct 4, 2011 at 10:52 AM, ka9egw@... wrote:

Galvanized may last longer than black. If it's anything like a bike
lift
of pipe, if it's going to fail it will be at the threaded
couplings--consider having it welded?

My local Ace Hardware has a telescoping 30-foot mast with guy rings
already on it, purpose-made for antenna work...

73, Brian KA9EGW

> Hi all,
> This is my first post to this group, so go easy with me please. :)
> After about twenty years as a ham I am going to get my first HF rig
> this fall. I intend to use a LnR Precision end fed antenna with it.
> I want to suspend the antenna between two masts made of schedule 40
> black iron pipe. My plan is to have coupled three ten foot sections
> together and sitting in a five gallon bucket of Quikrete. The base
> should weigh about one hundred pounds. I'll guy it at the top and
> fifteen feet.
> Would appreciate any thoughts, criticisms, experience.
> Thanks and 73 Tom Gosse, WX1YZ
>
>
> ------------------------------------
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-subscribe@yahoogroups.com')>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> <javascript:parent.wgMail.openComposeWindow('ham-antennas-unsubscribe@yahoogroups.com')>
> List owner: ham-antennas-owner@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoogroups.com')>
> Yahoo! Groups Links
>
>
>

<javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20072. Re: AW: [ham-antennas] Tower Restrictions.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-07 22:12:15 UTC
From: Joe
Topic: 20056 Message: 20072

That actyually makes much more sence, go on you tube and do tower collapse,
http://www.youtube.com/watch?v=tww3jF2NcdE
They rarely fall 1/2 their height. and never ever more than their height.

Joe

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/7/2011 3:53 PM, Siegfried Jackstien wrote:
> Here in dl the tower has to be half its height from the property line
> Maybe here in dl all towers break in the center before falling down ...
> Then the lower half falls to the property line and the upper half folds back
> on the lower half :-)
> Dg9bfc
> Sigi
>
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Joe
>> Gesendet: Freitag, 7. Oktober 2011 20:05
>> An: ham-antennas@yahoogroups.com
>> Cc: Timothy-Allen Albertson
>> Betreff: Re: [ham-antennas] Tower Restrictions.
>>
>>
>>
>> Yeah I know all about it.
>>
>> Thing is in this county gravity must behave in weird ways. Most of
>> their ordnance is OK. I can go even as high as 75 feet without having
>> to get special permission. BUT
>>
>> They have one part of the ordnance that makes absolutely no sense at
>> all. and it is extremely obvious that whoever wrote it has never ever
>> seen a tower fall down.
>>
>> The tower must be located no closer to anty property bopundary by at
>> least 1.5 times the height of the tower.
>>
>> so a 50 foot tower needs to be 75 feet away from the property line.
>>
>> I guess when it falls down it gets extra energy and can jump the extra

>> 25 aso it can reach the property line.
>>
>> Joe WB9SBD
>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>> On 10/7/2011 2:35 PM, Timothy-Allen Albertson wrote:
>>> governmental restrictions are much easier to deal with the FCC has
>>> exercised its power to partially preempt state and local laws regulating
>>> tower and antenna restrictions to provide that those governmental
>> entities
>>> must provide such reasonable accommodations as re necessary to allow
>> Hams
>>> effective use of their spectrum
>>>
>>> http://www.arrl.org/antenna-regulation-and-zoning
>>>
>>> On Wed, Oct 5, 2011 at 6:48 PM, Joe<nss@...<mailto:nss%40mwt.net> >
>> wrote:
>>>> **
>>>>
>>>>
>>>> OK now ignore HOA's and covenants, and all that. I'm thinking like
>>>> county level ordinances here.
>>>>
>>>> Now do any of these laws that talk about towers and restrictions placed
>>>> on them by a county zoning commission. Do they only apply to permanent
>>>> towers?
>>>>
>>>> What about a tower you can claim as being temporary?
>>>>
>>>> IE: no concrete?
>>>>
>>>> Guy anchors are screw in anchors.
>>>>
>>>> Tower base is a pad only that can be removed easily. Nothing is "Set in
>>>> concrete" pun intended. do the laws still apply then?
>>>>
>>>> Joe WB9SBD
>>>> --
>>>>
>>>> The Original Rolling Ball Clock
>>>> Idle Tyme
>>>> Idle-Tyme.com
>>>> http://www.idle-tyme.com
>>>>
>>>> [Non-text portions of this message have been removed]

>>>>
>>>>
>>>>
>>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

20073. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-07 23:53:42 UTC
From: Walt
Topic: 20015 Message: 20073

I have not found any listing for a Mast online at ACE Hardware

Walt

From: goldtr8@...
Sent: Friday, October 07, 2011 5:43 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Brian

What is the ACE part number and name of the product.

Thanks

~73
Don
KD8NNU

On Tue, Oct 4, 2011 at 10:52 AM, mailto:ka9egw%40britewerkz.com wrote:

Galvanized may last longer than black. If it's anything like a bike
lift
of pipe, if it's going to fail it will be at the threaded
couplings--consider having it welded?

My local Ace Hardware has a telescoping 30-foot mast with guy rings
already on it, purpose-made for antenna work...

73, Brian KA9EGW

> Hi all,
> This is my first post to this group, so go easy with me please. :)
> After about twenty years as a ham I am going to get my first HF rig
> this fall. I intend to use a LnR Precision end fed antenna with it.
> I want to suspend the antenna between two masts made of schedule 40
> black iron pipe. My plan is to have coupled three ten foot sections
> together and sitting in a five gallon bucket of Quikrete. The base
> should weigh about one hundred pounds. I'll guy it at the top and
> fifteen feet.
> Would appreciate any thoughts, criticisms, experience.
> Thanks and 73 Tom Gosse, WX1YZ
>
>
> ----------

> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: mailto:ham-antennas%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas%40yahoogroups.com')>
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-subscribe%40yahoogroups.com')>
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-unsubscribe%40yahoogroups.com')>
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-owner%40yahoogroups.com')>
> Yahoo! Groups Links
>
>
>

<javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-owner%40yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

20074. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 00:40:58 UTC
From: From the desk of Allan Bell
Topic: 20015 Message: 20074

Ace Hardware offers Channel Master telescopic masts or you can order directly from the Channel Master website, channelmasterstore.com

Channel Master Product Numbers are as follows:
20 FT - CM 1820
30 FT - CM 1830
40 FT - CM 1840
50 FT - CM 1850

Allan

From: Walt
Sent: Friday, October 07, 2011 4:53 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

I have not found any listing for a Mast online at ACE Hardware

Walt

From: mailto:goldtr8%40charter.net
Sent: Friday, October 07, 2011 5:43 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Brian

What is the ACE part number and name of the product.

Thanks

~73
Don
KD8NNU

On Tue, Oct 4, 2011 at 10:52 AM, mailto:ka9egw%40britewerkz.com wrote:

Galvanized may last longer than black. If it's anything like a bike
lift
of pipe, if it's going to fail it will be at the threaded
couplings--consider having it welded?

My local Ace Hardware has a telescoping 30-foot mast with guy rings
already on it, purpose-made for antenna work...

73, Brian KA9EGW

> Hi all,
> This is my first post to this group, so go easy with me please. :)
> After about twenty years as a ham I am going to get my first HF rig
> this fall. I intend to use a LnR Precision end fed antenna with it.
> I want to suspend the antenna between two masts made of schedule 40
> black iron pipe. My plan is to have coupled three ten foot sections
> together and sitting in a five gallon bucket of Quikrete. The base
> should weigh about one hundred pounds. I'll guy it at the top and
> fifteen feet.
> Would appreciate any thoughts, criticisms, experience.
> Thanks and 73 Tom Gosse, WX1YZ
>
>
> ------------------------------------
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: mailto:ham-antennas%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas%40yahoogroups.com')>
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-subscribe%40yahoogrou
ps.com')>
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-unsubscribe%40yahoogr
oups.com')>
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-owner%40yahoogroups.c
om')>
> Yahoo! Groups Links
>
>
>

<javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-owner%40yahoogroups.com
')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20075. TLW Program

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 00:40:34 UTC
From: W3GQ
Topic: 20075 Message: 20075

Does anyone know if the TLW program (supplied with the ARRL Antenna Book, 19th edition and later) is available anywhere other than by purchasing the handbook?

Thanks,

Paul, W3GQ

20076. FW: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 00:56:42 UTC
From: KA9EGW
Topic: 20076 Message: 20076

I don't see it on www.acehardware.com, which leads me to believe it may be a one-off, or a new-old-stock discontinued part. I just happened to notice it there in the rack next to the electrical conduit. It's a small, likely franchise, Ace, not a big chain box company-owned, I don't think.

However, google shopping found it at, among other places, Ace Superstore:

http://www.google.com/products/catalog?q=telescoping+antenna+mast&rls=com.microsoft:en-us&oe=UTF-8&startIndex=&startPage=1&um=1&ie=UTF-8&tbm=shop&cid=12082319903449134319&sa=X&ei=QIWPTuSmH-e0sQKkjImlAQ&ved=0CHEQ8wIwAA#

or one can order it direct from channelmaster:

http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of goldtr8@...
Sent: Friday, October 07, 2011 4:43 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Brian

What is the ACE part number and name of the product.

Thanks

~73
Don
KD8NNU

On Tue, Oct 4, 2011 at 10:52 AM, ka9egw@... wrote:

Galvanized may last longer than black. If it's anything like a bike lift of pipe, if it's going to fail it will be at the threaded couplings--consider having it welded?

My local Ace Hardware has a telescoping 30-foot mast with guy rings already on it, purpose-made for antenna work...

73, Brian KA9EGW

> Hi all,
> This is my first post to this group, so go easy with me please. :)

> After about twenty years as a ham I am going to get my first HF rig
> this fall. I intend to use a LnR Precision end fed antenna with it.
> I want to suspend the antenna between two masts made of schedule 40
> black iron pipe. My plan is to have coupled three ten foot sections
> together and sitting in a five gallon bucket of Quikrete. The base
> should weigh about one hundred pounds. I'll guy it at the top and
> fifteen feet.
> Would appreciate any thoughts, criticisms, experience.
> Thanks and 73 Tom Gosse, WX1YZ
>
>
> ------------------------------------
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.
> com')>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-subscribe@ya
> hoogroups.com')>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-unsubscribe@
> yahoogroups.com')> List owner: ham-antennas-owner@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoog
> roups.com')>
> Yahoo! Groups Links
>
>
>

<javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20077. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 01:18:14 UTC
From: Dale M
Topic: 20015 Message: 20077

when I went to the local ACE store they were able to order one for me. with them ordering it and having it sent to the store their was no shipping charge.
Dale k8nke
----- Original Message -----
From: KA9EGW
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 08, 2011 12:56 AM
Subject: FW: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

I don't see it on www.acehardware.com, which leads me to believe it may be a one-off, or a new-old-stock discontinued part. I just happened to notice it there in the rack next to the electrical conduit. It's a small, likely franchise, Ace, not a big chain box company-owned, I don't think.

However, google shopping found it at, among other places, Ace Superstore:

http://www.google.com/products/catalog?q=telescoping+antenna+mast&rls=com.microsoft:en-us&oe=UTF-8&startIndex=&startPage=1&um=1&ie=UTF-8&tbm=shop&cid=12082319903449134319&sa=X&ei=QIWPTuSmH-e0sQKkjImlAQ&ved=0CHEQ8wIwAA#

or one can order it direct from channelmaster:

http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of goldtr8@...
Sent: Friday, October 07, 2011 4:43 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Brian

What is the ACE part number and name of the product.

Thanks

~73
Don
KD8NNU

On Tue, Oct 4, 2011 at 10:52 AM, ka9egw@... wrote:

Galvanized may last longer than black. If it's anything like a bike lift of pipe, if it's going to fail it will be at the threaded couplings--consider having it welded?

My local Ace Hardware has a telescoping 30-foot mast with guy rings already on it, purpose-made for antenna work...

73, Brian KA9EGW

> Hi all,
> This is my first post to this group, so go easy with me please. :)
> After about twenty years as a ham I am going to get my first HF rig
> this fall. I intend to use a LnR Precision end fed antenna with it.
> I want to suspend the antenna between two masts made of schedule 40
> black iron pipe. My plan is to have coupled three ten foot sections
> together and sitting in a five gallon bucket of Quikrete. The base
> should weigh about one hundred pounds. I'll guy it at the top and
> fifteen feet.
> Would appreciate any thoughts, criticisms, experience.
> Thanks and 73 Tom Gosse, WX1YZ
>
>
> ------------------------------------
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.
> com')>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-subscribe@ya
> hoogroups.com')>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-unsubscribe@
> yahoogroups.com')> List owner: ham-antennas-owner@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoog
> roups.com')>
> Yahoo! Groups Links
>
>
>

<javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20078. Re: [ham-antennas] TLW Program

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 03:16:57 UTC
From: dean
Topic: 20075 Message: 20078

What does TLW stand for? I”d put that name in Google and see.

73, WY6L

From: W3GQ
Sent: Friday, October 07, 2011 5:40 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] TLW Program

Does anyone know if the TLW program (supplied with the ARRL Antenna Book, 19th edition and later) is available anywhere other than by purchasing the handbook?

Thanks,

Paul, W3GQ

[Non-text portions of this message have been removed]

20079. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 00:40:59 UTC
From: Walt
Topic: 20015 Message: 20079

But I did find this, looks the same as what was described.
http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm

From: Walt
Sent: Friday, October 07, 2011 7:53 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

I have not found any listing for a Mast online at ACE Hardware

Walt

From: mailto:goldtr8%40charter.net
Sent: Friday, October 07, 2011 5:43 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Brian

What is the ACE part number and name of the product.

Thanks

~73
Don
KD8NNU

On Tue, Oct 4, 2011 at 10:52 AM, mailto:ka9egw%40britewerkz.com wrote:

Galvanized may last longer than black. If it's anything like a bike
lift
of pipe, if it's going to fail it will be at the threaded
couplings--consider having it welded?

My local Ace Hardware has a telescoping 30-foot mast with guy rings
already on it, purpose-made for antenna work...

73, Brian KA9EGW

> Hi all,
> This is my first post to this group, so go easy with me please. :)
> After about twenty years as a ham I am going to get my first HF rig
> this fall. I intend to use a LnR Precision end fed antenna with it.
> I want to suspend the antenna between two masts made of schedule 40
> black iron pipe. My plan is to have coupled three ten foot sections

> together and sitting in a five gallon bucket of Quikrete. The base
> should weigh about one hundred pounds. I'll guy it at the top and
> fifteen feet.
> Would appreciate any thoughts, criticisms, experience.
> Thanks and 73 Tom Gosse, WX1YZ
>
>
> ------------------------------------
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: mailto:ham-antennas%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas%40yahoogroups.com')>
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-subscribe%40yahoogrou
ps.com')>
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-unsubscribe%40yahoogr
oups.com')>
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-owner%40yahoogroups.c
om')>
> Yahoo! Groups Links
>
>
>

<javascript:parent.wgMail.openComposeWindow(mailto:%27ham-antennas-owner%40yahoogroups.com
')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

20080. Re: TLW Program

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 11:17:53 UTC
From: W3GQ
Topic: 20075 Message: 20080

I believe it stands for Transmission Line (program for) Windows.

Paul, W3GQ

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> What does TLW stand for? Iâ□□d put that name in Google and see.
>
> 73, WY6L
>
> From: W3GQ
> Sent: Friday, October 07, 2011 5:40 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] TLW Program
>
>
> Does anyone know if the TLW program (supplied with the ARRL Antenna Book, 19th edition and later) is available anywhere other than by purchasing the handbook?
>
> Thanks,
>
> Paul, W3GQ
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20081. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 11:48:19 UTC
From: doug pfaff
Topic: 20015 Message: 20081

Walt

Schedule 40 black iron pipe is not an amateur standard for mast building.
it is extremly heavy and your gas pipe fitter would use this for natural gas or propane service after your gas meter
.
it would be heavier than most light duty towers and may cause issues with mast support and rotor support plate in the tower top section depending on your tower used except heavy duty telcom communications towers.

You dont want to go there unless you have a big bank roll can afford a crane etc for constuction

Doug ve5dcp

----- Original Message -----

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20082. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 12:27:38 UTC
From: Ron G
Topic: 20015 Message: 20082

I can second that- I had a 100 foot tower that I put up by myself, using a jin pole. it had a 3 element tribander with a 11 element 2 meter beam above it. when your working on a tower you have about half of the lifting power you do working on the ground and your feet are 12-18 inch apart depending on the size tower. if your going to all of the trouble take your time,spend a little extra money and do it right.

From: doug pfaff <doug.pfaff@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 8, 2011 7:48 AM
Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Walt

Schedule 40 black iron pipe is not an amateur standard for mast building.
it is extremly heavy and your gas pipe fitter would use this for natural gas or propane service after your gas meter
.
it would be heavier than most light duty towers and may cause issues with mast support and rotor support plate in the tower top section depending on your tower used except heavy duty telcom communications towers.

You dont want to go there unless you have a big bank roll can afford a crane etc for constuction

Doug ve5dcp

----- Original Message -----

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20083. Re: Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 13:18:21 UTC
From: tivoligardens@yahoo.com
Topic: 20015 Message: 20083

If I am building a mast for my 2m copper jpole is schedule 80 gray pvc strong enought ?

Thanks
Hal w4hal

--- In ham-antennas@yahoogroups.com, Ron G <rjgdag@...> wrote:
>
> I can second that- I had a 100 foot tower that I put up by myself, using a jin pole. it had a 3 element tribander Â with a 11 element 2 meter beam above it. when your working on a tower you have about half of the lifting power you do working on the ground and your feet are 12-18 inch apart depending on the size tower. if your going to all of the trouble take your time,spend a little extra money and do it right.
>
>
> _____
> From: doug pfaff <doug.pfaff@...>
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, October 8, 2011 7:48 AM
> Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast
>
>
> Â
>
>
> Walt
>
> Schedule 40 black iron pipe is not an amateur standard for mast building.
> it is extremly heavy and your gas pipe fitter would use this for natural gas or propane service after your gas meter
> .
> it would be heavier than most light duty towers and may cause issues with mast support and rotor support plate in the tower top section depending on your tower used except heavy duty telcom communications towers.
>
> You dont want to go there unless you have a big bank roll can afford a crane etc for constuction
>
> Doug ve5dcp
>
> ----- Original Message -----
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]

>
>
>
>
> [Non-text portions of this message have been removed]
>

20084. Re: [ham-antennas] Re: Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 13:38:45 UTC
From: Ron G
Topic: 20015 Message: 20084

my vote is yes AF4OB

From: "tivoligardens@..." <tivoligardens@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 8, 2011 9:18 AM
Subject: [ham-antennas] Re: Questions about using schedule 40 black iron pipe for antenna mast

If I am building a mast for my 2m copper jpole is schedule 80 gray pvc strong enought ?

Thanks
Hal w4hal

--- In ham-antennas@yahoogroups.com, Ron G <rjgdag@...> wrote:
>
> I can second that- I had a 100 foot tower that I put up by myself, using a jin pole. it had a 3 element tribander Â with a 11 element 2 meter beam above it. when your working on a tower you have about half of the lifting power you do working on the ground and your feet are 12-18 inch apart depending on the size tower. if your going to all of the trouble take your time,spend a little extra money and do it right.
>
>
> ---
> From: doug pfaff <doug.pfaff@...>
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, October 8, 2011 7:48 AM
> Subject: Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast
>
>
> Â
>
>
> Walt
>
> Schedule 40 black iron pipe is not an amateur standard for mast building.
> it is extremly heavy and your gas pipe fitter would use this for natural gas or propane service after your gas meter
> .
> it would be heavier than most light duty towers and may cause issues with mast support and rotor support plate in the tower top section depending on your tower used except heavy duty telcom communications towers.
>
> You dont want to go there unless you have a big bank roll can afford a crane etc for

constuction
>
> Doug ve5dcp
>
> ----- Original Message -----
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20085. Re: [ham-antennas] Re: TLW Program

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 14:13:14 UTC
From: dean
Topic: 20075 Message: 20085

I found this page, http://fermi.la.asu.edu/w9cf/tran/index.html
hopefully it'll work. I put "Transmission Line for Windows" in Google and I got a whole slew of hits.

Another one that pretty much looks like the program.
http://www.antennex.com/shack/Dec04/tlnw.htm

I just did the looking and maybe you can take it a bit further. I imagine all programs found on the ARRL CD can be found elsewhere. Hopefully this was somewhat helpful.

73, WY6L

From: W3GQ
Sent: Saturday, October 08, 2011 4:17 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: TLW Program

I believe it stands for Transmission Line (program for) Windows.

Paul, W3GQ

--- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
>
> What does TLW stand for? Iâ□□d put that name in Google and see.
>
> 73, WY6L
>
> From: W3GQ
> Sent: Friday, October 07, 2011 5:40 PM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] TLW Program
>
>
> Does anyone know if the TLW program (supplied with the ARRL Antenna Book, 19th edition and later) is available anywhere other than by purchasing the handbook?
>
> Thanks,
>
> Paul, W3GQ
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20086. RE: [ham-antennas] Re: TLW Program

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 15:35:44 UTC
From: KA9EGW
Topic: 20075 Message: 20086

One of the more common programs is TLD (Transmission Line Details) by AC6LA. You can obtain a copy at no cost by visiting Dan's web site (http://www.qsl.net/ac6la/).

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of W3GQ
Sent: Saturday, October 08, 2011 6:18 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: TLW Program

I believe it stands for Transmission Line (program for) Windows.

Paul, W3GQ

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> What does TLW stand for? Iâ€□d put that name in Google and see.
>
> 73, WY6L
>
> From: W3GQ
> Sent: Friday, October 07, 2011 5:40 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] TLW Program
>
>
> Does anyone know if the TLW program (supplied with the ARRL Antenna Book, 19th edition and later) is available anywhere other than by purchasing the handbook?
>
> Thanks,
>
> Paul, W3GQ
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@...m
Yahoo! Groups Links

20087. AW: [ham-antennas] Re: Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 16:43:54 UTC
From: Siegfried Jackstien
Topic: 20015 Message: 20087

It depends:
How high? Length of tube?
What diameter of pvc tube used
Several tubes telescopic to get higher?
Guyed?

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von tivoligardens@...
> Gesendet: Samstag, 8. Oktober 2011 13:18
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Questions about using schedule 40 black iron
> pipe for antenna mast
>
>
>
> If I am building a mast for my 2m copper jpole is schedule 80 gray pvc
> strong enought ?
>
> Thanks
> Hal w4hal
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , Ron G <rjgdag@...> wrote:
> >
> > I can second that- I had a 100 foot tower that I put up by myself, using
> a jin pole. it had a 3 element tribander Â with a 11 element 2 meter beam
> above it. when your working on a tower you have about half of the lifting
> power you do working on the ground and your feet are 12-18 inch apart
> depending on the size tower. if your going to all of the trouble take your
> time,spend a little extra money and do it right.
> >
> >
> > _____
> > From: doug pfaff <doug.pfaff@...>
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Saturday, October 8, 2011 7:48 AM
> > Subject: Re: [ham-antennas] Questions about using schedule 40 black iron
> pipe for antenna mast
> >
> >
> > Â
> >
> >

> > Walt
> >
> > Schedule 40 black iron pipe is not an amateur standard for mast
> building.
> > it is extremly heavy and your gas pipe fitter would use this for natural
> gas or propane service after your gas meter
> > .
> > it would be heavier than most light duty towers and may cause issues
> with mast support and rotor support plate in the tower top section
> depending on your tower used except heavy duty telcom communications
> towers.
> >
> > You dont want to go there unless you have a big bank roll can afford a
> crane etc for constuction
> >
> > Doug ve5dcp
> >
> > ----- Original Message -----
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>

20088. Re: FW: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 17:33:32 UTC
From: Adrian Flynn
Topic: 20076 Message: 20088

Why such a major price differance if they are the same product?
channel master web page $129.99
<http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>

google product search $73
<http://www.google.com/products/catalog?q=telescoping+antenna+mast&rls=com.microsoft:en-us&oe=UTF-8&startIndex=&startPage=1&um=1&ie=UTF-8&tbm=shop&cid=12082319903449134319&sa=X&ei=QIWPTuSmH-e0sQKkjImlAQ&ved=0CHEQ8wIwAA#>
I think I would be VERY leary of product quality!

Just my $0.02 worth (You get what you pay for) or is it a "China" tinfoil mast?
73
Adrian KF7DYU

On Fri, Oct 7, 2011 at 8:56 PM, KA9EGW <ka9egw@...> wrote:

> **
>
>
> I don't see it on www.acehardware.com, which leads me to believe it may be
> a one-off, or a new-old-stock discontinued part. I just happened to notice
> it there in the rack next to the electrical conduit. It's a small, likely
> franchise, Ace, not a big chain box company-owned, I don't think.
>
> However, google shopping found it at, among other places, Ace Superstore:
>
>
> http://www.google.com/products/catalog?q=telescoping+antenna+mast&rls=com.microsoft:en-us&oe=UTF-8&startIndex=&startPage=1&um=1&ie=UTF-8&tbm=shop&cid=12082319903449134319&sa=X&ei=QIWPTuSmH-e0sQKkjImlAQ&ved=0CHEQ8wIwAA#
>
> or one can order it direct from channelmaster:
>
> http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm
>
> 73, Brian KA9EGW
>
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On Behalf Of goldtr8@...
> Sent: Friday, October 07, 2011 4:43 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Questions about using schedule 40 black iron

> pipe for antenna mast
>
> Brian
>
> What is the ACE part number and name of the product.
>
> Thanks
>
> ~73
> Don
> KD8NNU
>
> On Tue, Oct 4, 2011 at 10:52 AM, ka9egw@... wrote:
>
> Galvanized may last longer than black. If it's anything like a bike lift of
> pipe, if it's going to fail it will be at the threaded couplings--consider
> having it welded?
>
> My local Ace Hardware has a telescoping 30-foot mast with guy rings already
> on it, purpose-made for antenna work...
>
> 73, Brian KA9EGW
>
> > Hi all,
> > This is my first post to this group, so go easy with me please. :)
> > After about twenty years as a ham I am going to get my first HF rig
> > this fall. I intend to use a LnR Precision end fed antenna with it.
> > I want to suspend the antenna between two masts made of schedule 40
> > black iron pipe. My plan is to have coupled three ten foot sections
> > together and sitting in a five gallon bucket of Quikrete. The base
> > should weigh about one hundred pounds. I'll guy it at the top and
> > fifteen feet.
> > Would appreciate any thoughts, criticisms, experience.
> > Thanks and 73 Tom Gosse, WX1YZ
> >
> >
> > ------------------------------------
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> > NOT permitted. Any statements in ANY post that may be construed as
> > inflamatory MAY be cause for suspension. Moderators WILL have final
> > say in these matters. Post message: ham-antennas@yahoogroups.com
> > <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.
>
> > com')>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > <javascript:parent.wgMail.openComposeWindow('ham-antennas-subscribe@ya
> > hoogroups.com')>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > <javascript:parent.wgMail.openComposeWindow('ham-antennas-unsubscribe@

> > yahoogroups.com')> List owner: ham-antennas-owner@yahoogroups.com
> > <javascript:parent.wgMail.openComposeWindow('ham-antennas-owner@yahoog
> > roups.com')>
> > Yahoo! Groups Links
> >
> >
> >
>
> <javascript:parent.wgMail.openComposeWindow(
> 'ham-antennas-owner@yahoogroups.com')>
>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20089. Re: TLW Program

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-08 17:56:27 UTC
From: W3GQ
Topic: 20075 Message: 20089

Thanks to everyone who replied to my request. I have obtained the desired software.

Thanks again,

Paul, W3GQ

--- In ham-antennas@yahoogroups.com, "W3GQ" <sturpe@...> wrote:
>
> Does anyone know if the TLW program (supplied with the ARRL Antenna Book, 19th edition and later) is available anywhere other than by purchasing the handbook?
>
> Thanks,
>
> Paul, W3GQ
>

20090. Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-09 04:26:14 UTC
From: Walt Wilson
Topic: 20090 Message: 20090

I am hoping to collect enough old aluminum parts from previous antennas to try and build my own antenna. Any old unwanted or crashed antenna parts is what I am looking for. Thanks

20091. Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-09 12:22:56 UTC
From: VE3FMC
Topic: 20090 Message: 20091

Good idea but because this forum has members spread all over the world you might be better off putting an ad in your local paper or Craiglist. Your results could be better. Plus most hams will not part with aluminum tubing :)

--- In ham-antennas@yahoogroups.com, "Walt Wilson" <WWILSON@...> wrote:
>
> I am hoping to collect enough old aluminum parts from previous antennas to try and build my own antenna. Any old unwanted or crashed antenna parts is what I am looking for. Thanks
>

20092. Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-09 16:31:57 UTC
From: fred
Topic: 20090 Message: 20092

look around for people changing to cable or satelite service and get the old TV antennas . if they are in a deep fringe area the antennas are fairly large .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "VE3FMC" <ve3ldb@...> wrote:
>
> Good idea but because this forum has members spread all over the world you might be better off putting an ad in your local paper or Craiglist. Your results could be better. Plus most hams will not part with aluminum tubing :)
>
> --- In ham-antennas@yahoogroups.com, "Walt Wilson" <WWILSON@> wrote:
> >
> > I am hoping to collect enough old aluminum parts from previous antennas to try and build my own antenna. Any old unwanted or crashed antenna parts is what I am looking for. Thanks
> >
>

20093. Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-09 17:16:23 UTC
From: Walt
Topic: 20090 Message: 20093

Thanks, that may be a good idea for the VHF/UHF bands

From: fred
Sent: Sunday, October 09, 2011 12:31 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

look around for people changing to cable or satelite service and get the old TV antennas . if they are in a deep fringe area the antennas are fairly large .
andrew
kd5pnt

--- In mailto:ham-antennas%40yahoogroups.com, "VE3FMC" <ve3ldb@...> wrote:
>
> Good idea but because this forum has members spread all over the world you might be better off putting an ad in your local paper or Craiglist. Your results could be better. Plus most hams will not part with aluminum tubing :)
>
> --- In mailto:ham-antennas%40yahoogroups.com, "Walt Wilson" <WWILSON@> wrote:
> >
> > I am hoping to collect enough old aluminum parts from previous antennas to try and build my own antenna. Any old unwanted or crashed antenna parts is what I am looking for. Thanks
> >
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

20094. Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-09 20:12:52 UTC
From: Wayne Leake
Topic: 20090 Message: 20094

I do the same thing. Collect any aluminum antennas I can, with an eye on making them into ham band antennas.
bear in mind, TV antennas are good for parts, but often not as durable as commercial and ham antennas. Plus are not cut for any of the ham bands.
an antenna cut for the old TV channel 2 would need elements made longer for 6 meters, and the UHF sections are usually too short for 70 centimeters.
some might work on 2 meters, but still might need work.
as for durability, I lost 1/2 an element on the TV antenna I have up. The plastic broke on one side. I did find the element and put it aside.
I have a couple of former 11 meter antennas, one I plan to either fix for 10 meters, or convert to 6 meters. the other is an odd antenna, horizontal elements, shaped in a "U" shape, made for use on a van roof. Claimed to be vertically polarized, though I don't see how. It could convert to 10, or even 6.
I considered making it into a square (like a squalo) for an omni 6 meter. It used a trombone capacitive coupled match, and a fast check with my analyzer shows it to be resonant on 11. making a mount for a squalo will be my challenge, and getting it resonant on 6. the trombone I can modify, having used teh same kind for 2 meters, and having a commercial antenna for 70 Cm that uses a similar type.
really old single band yagis made for TV can be converetd. One for channle 6 could be cut down for 2 meters, one for 2 enlarged for 6, and a channel 13 cut down for 1 1/4 meters (222-225 Mhz).
CB verticals can often be modified for 10, or 12 meters, some even for 20 or 17 meters. also, keep an eye out for working TV antenna rotors.
I used one with a large 10 meter beam years ago, and more recently, for a 4 element 6 meter beam, with a 2 meter beam mounted above it.
I also hope to get my hands on a tower from a TV antenna system, but not holding my breath.
oh yes, some people have been misled to think that their older TV antenna will not work with the new digital TV. LOL....

20095. Re: FW: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-09 21:30:53 UTC
From: John
Topic: 20076 Message: 20095

Be careful when comparing prices, sometimes the low one doesn't include tax and shipping. If both are base prices then the higher seller is making more profit, maybe.

John KI4SBJ

--- In ham-antennas@yahoogroups.com, Adrian Flynn <ADRIANJAMESFLYNN@...> wrote:
>
> Why such a major price differance if they are the same product?
> channel master web page $129.99
> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>
>
> google product search $73
> <http://www.google.com/products/catalog?q=telescoping+antenna+mast&rls=com.microsoft:en-us&oe=UTF-8&startIndex=&startPage=1&um=1&ie=UTF-8&tbm=shop&cid=12082319903449134319&sa=X&ei=QIWPTuSmH-e0sQKkjImlAQ&ved=0CHEQ8wIwAA#>
> I think I would be VERY leary of product quality!
>
> Just my $0.02 worth (You get what you pay for) or is it a "China" tinfoil
> mast?
> 73
> Adrian KF7DYU

20096. Re: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-09 21:43:33 UTC
From: James E. Wells (KDØAJZ)
Topic: 20076 Message: 20096

This is probably true about the higher price one too.

From: John
Sent: Sunday, October 09, 2011 4:30 PM
To: ham-antennas@yahoogroups.com
Subject: Re: FW: [ham-antennas] Questions about using schedule 40 black iron pipe for antenna mast

Be careful when comparing prices, sometimes the low one doesn't include tax and shipping. If both are base prices then the higher seller is making more profit, maybe.

John KI4SBJ

--- In mailto:ham-antennas%40yahoogroups.com, Adrian Flynn <ADRIANJAMESFLYNN@...> wrote:
>
> Why such a major price differance if they are the same product?
> channel master web page $129.99
> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>
>
> google product search $73
> <http://www.google.com/products/catalog?q=telescoping+antenna+mast&rls=com.microsoft:en-us&oe=UTF-8&startIndex=&startPage=1&um=1&ie=UTF-8&tbm=shop&cid=12082319903449134319&sa=X&ei=QIWPTuSmH-e0sQKkjImlAQ&ved=0CHEQ8wIwAA#>
> I think I would be VERY leary of product quality!
>
> Just my $0.02 worth (You get what you pay for) or is it a "China" tinfoil
> mast?
> 73
> Adrian KF7DYU

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6529 (20111009) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK
part001.htm - is OK

http://www.eset.com

[Non-text portions of this message have been removed]

20097. Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-09 23:56:18 UTC
From: Walt
Topic: 20090 Message: 20097

It used to be that old CB directional were mounted all over the place, but I have been looking lately with little luck. Many have gone the way of the scrap yards, and so few fool with the CB equipment anymore. I have my eye on an 11 meter omnidirectional that can be adjusted easy enough for 10. Can always use it to monitor with. I should have a new to me rig by next week, a Yaesu 301D with speaker, power supply, and the antenna tuner. Did some horse trading and spent a little money to get it, I hope it works as well as it looks. I guess I will luck up one day and find a nice old beam and clean it up and use it for more constructive purposes. The antenna rotors I had really forgotten about, but that is a good idea.

Walt

From: Wayne Leake
Sent: Sunday, October 09, 2011 4:12 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

I do the same thing. Collect any aluminum antennas I can, with an eye
on making them into ham band antennas.
bear in mind, TV antennas are good for parts, but often not as
durable as commercial and ham antennas. Plus are not cut for any of
the ham bands.
an antenna cut for the old TV channel 2 would need elements made
longer for 6 meters, and the UHF sections are usually too short for 70
centimeters.
some might work on 2 meters, but still might need work.
as for durability, I lost 1/2 an element on the TV antenna I have up.
The plastic broke on one side. I did find the element and put it
aside.
I have a couple of former 11 meter antennas, one I plan to either fix
for 10 meters, or convert to 6 meters. the other is an odd antenna,
horizontal elements, shaped in a "U" shape, made for use on a van
roof. Claimed to be vertically polarized, though I don't see how. It
could convert to 10, or even 6.
I considered making it into a square (like a squalo) for an omni 6
meter. It used a trombone capacitive coupled match, and a fast check
with my analyzer shows it to be resonant on 11. making a mount for a
squalo will be my challenge, and getting it resonant on 6. the
trombone I can modify, having used teh same kind for 2 meters, and
having a commercial antenna for 70 Cm that uses a similar type.
really old single band yagis made for TV can be converetd. One for
channle 6 could be cut down for 2 meters, one for 2 enlarged for 6,
and a channel 13 cut down for 1 1/4 meters (222-225 Mhz).
CB verticals can often be modified for 10, or 12 meters, some even

for 20 or 17 meters. also, keep an eye out for working TV antenna
rotors.
I used one with a large 10 meter beam years ago, and more recently,
for a 4 element 6 meter beam, with a 2 meter beam mounted above it.
I also hope to get my hands on a tower from a TV antenna system, but
not holding my breath.
oh yes, some people have been misled to think that their older TV
antenna will not work with the new digital TV. LOL....

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

20098. Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 01:02:13 UTC
From: From the desk of Allan Bell
Topic: 20090 Message: 20098

Walt,

You just got a Yaesu Antenna Tuner off EBay over the weekend didn’t you?

Allan

From: Walt
Sent: Sunday, October 09, 2011 4:56 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

It used to be that old CB directional were mounted all over the place, but I have been looking lately with little luck. Many have gone the way of the scrap yards, and so few fool with the CB equipment anymore. I have my eye on an 11 meter omnidirectional that can be adjusted easy enough for 10. Can always use it to monitor with. I should have a new to me rig by next week, a Yaesu 301D with speaker, power supply, and the antenna tuner. Did some horse trading and spent a little money to get it, I hope it works as well as it looks. I guess I will luck up one day and find a nice old beam and clean it up and use it for more constructive purposes. The antenna rotors I had really forgotten about, but that is a good idea.

Walt

From: Wayne Leake
Sent: Sunday, October 09, 2011 4:12 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

I do the same thing. Collect any aluminum antennas I can, with an eye
on making them into ham band antennas.
bear in mind, TV antennas are good for parts, but often not as
durable as commercial and ham antennas. Plus are not cut for any of
the ham bands.
an antenna cut for the old TV channel 2 would need elements made
longer for 6 meters, and the UHF sections are usually too short for 70
centimeters.
some might work on 2 meters, but still might need work.
as for durability, I lost 1/2 an element on the TV antenna I have up.
The plastic broke on one side. I did find the element and put it
aside.
I have a couple of former 11 meter antennas, one I plan to either fix
for 10 meters, or convert to 6 meters. the other is an odd antenna,
horizontal elements, shaped in a "U" shape, made for use on a van
roof. Claimed to be vertically polarized, though I don't see how. It
could convert to 10, or even 6.

I considered making it into a square (like a squalo) for an omni 6 meter. It used a trombone capacitive coupled match, and a fast check with my analyzer shows it to be resonant on 11. making a mount for a squalo will be my challenge, and getting it resonant on 6. the trombone I can modify, having used teh same kind for 2 meters, and having a commercial antenna for 70 Cm that uses a similar type.
really old single band yagis made for TV can be converetd. One for channle 6 could be cut down for 2 meters, one for 2 enlarged for 6, and a channel 13 cut down for 1 1/4 meters (222-225 Mhz).
CB verticals can often be modified for 10, or 12 meters, some even for 20 or 17 meters. also, keep an eye out for working TV antenna rotors.
I used one with a large 10 meter beam years ago, and more recently, for a 4 element 6 meter beam, with a 2 meter beam mounted above it.
I also hope to get my hands on a tower from a TV antenna system, but not holding my breath.
oh yes, some people have been misled to think that their older TV antenna will not work with the new digital TV. LOL....

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20099. Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 02:54:50 UTC
From: Walt
Topic: 20090 Message: 20099

Yes Allen, the bid process fell in my favor price wise. Sorry I did not have time to talk to you about it during the process, but felt it best to let things go and see what the results might be. As of this Tuesday, due to the Holiday tomorrow, I should have what appears to be a fairly nice Yaesu 301D with speaker/power supply and a tuner. I was lucky enough to trade a few things and spend a small amount of money to get the entire rig plus some things that the operator said he would throw in. Your tuner was sort of a backup just in case, due to negotiations with this fellow for it separately from the rest of the radio. Now it seems I will have two of the tuners, not a bad position to be in if either one fails. I did not know if I would get it, so I just stayed quiet about it. I hope this did not case any misunderstanding or unpleasant feelings, just trying to do the best I could. By the way, is your Yaesu Tuner black, the picture makes it look grey.

Walt

From: From the desk of Allan Bell
Sent: Sunday, October 09, 2011 9:02 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Walt,

You just got a Yaesu Antenna Tuner off EBay over the weekend didn’t you?

Allan

From: Walt
Sent: Sunday, October 09, 2011 4:56 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

It used to be that old CB directional were mounted all over the place, but I have been looking lately with little luck. Many have gone the way of the scrap yards, and so few fool with the CB equipment anymore. I have my eye on an 11 meter omnidirectional that can be adjusted easy enough for 10. Can always use it to monitor with. I should have a new to me rig by next week, a Yaesu 301D with speaker, power supply, and the antenna tuner. Did some horse trading and spent a little money to get it, I hope it works as well as it looks. I guess I will luck up one day and find a nice old beam and clean it up and use it for more constructive purposes. The antenna rotors I had really forgotten about, but that is a good idea.

Walt

From: Wayne Leake
Sent: Sunday, October 09, 2011 4:12 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

I do the same thing. Collect any aluminum antennas I can, with an eye on making them into ham band antennas.
bear in mind, TV antennas are good for parts, but often not as durable as commercial and ham antennas. Plus are not cut for any of the ham bands.
an antenna cut for the old TV channel 2 would need elements made longer for 6 meters, and the UHF sections are usually too short for 70 centimeters.
some might work on 2 meters, but still might need work.
as for durability, I lost 1/2 an element on the TV antenna I have up. The plastic broke on one side. I did find the element and put it aside.
I have a couple of former 11 meter antennas, one I plan to either fix for 10 meters, or convert to 6 meters. the other is an odd antenna, horizontal elements, shaped in a "U" shape, made for use on a van roof. Claimed to be vertically polarized, though I don't see how. It could convert to 10, or even 6.
I considered making it into a square (like a squalo) for an omni 6 meter. It used a trombone capacitive coupled match, and a fast check with my analyzer shows it to be resonant on 11. making a mount for a squalo will be my challenge, and getting it resonant on 6. the trombone I can modify, having used teh same kind for 2 meters, and having a commercial antenna for 70 Cm that uses a similar type.
really old single band yagis made for TV can be converetd. One for channle 6 could be cut down for 2 meters, one for 2 enlarged for 6, and a channel 13 cut down for 1 1/4 meters (222-225 Mhz).
CB verticals can often be modified for 10, or 12 meters, some even for 20 or 17 meters. also, keep an eye out for working TV antenna rotors.
I used one with a large 10 meter beam years ago, and more recently, for a 4 element 6 meter beam, with a 2 meter beam mounted above it.
I also hope to get my hands on a tower from a TV antenna system, but not holding my breath.
oh yes, some people have been misled to think that their older TV antenna will not work with the new digital TV. LOL....

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

20100. Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 03:20:33 UTC
From: From the desk of Allan Bell
Topic: 20090 Message: 20100

Yes, the tuner that I have that you won on EBay is Black.

You got yourself a steal of a deal on that tuner that's for sure, considering the average sold price on those was $181. according to EBay. I had honestly thought about putting a reserve price on it when I relisted it but forgot all about doing that when I relisted it in auction format.

Allan

From: Walt
Sent: Sunday, October 09, 2011 7:54 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yes Allen, the bid process fell in my favor price wise. Sorry I did not have time to talk to you about it during the process, but felt it best to let things go and see what the results might be. As of this Tuesday, due to the Holiday tomorrow, I should have what appears to be a fairly nice Yaesu 301D with speaker/power supply and a tuner. I was lucky enough to trade a few things and spend a small amount of money to get the entire rig plus some things that the operator said he would throw in. Your tuner was sort of a backup just in case, due to negotiations with this fellow for it separately from the rest of the radio. Now it seems I will have two of the tuners, not a bad position to be in if either one fails. I did not know if I would get it, so I just stayed quiet about it. I hope this did not case any misunderstanding or unpleasant feelings, just trying to do the best I could. By the way, is your Yaesu Tuner black, the picture makes it look grey.

Walt

From: From the desk of Allan Bell
Sent: Sunday, October 09, 2011 9:02 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Walt,

You just got a Yaesu Antenna Tuner off EBay over the weekend didn't you?

Allan

From: Walt
Sent: Sunday, October 09, 2011 4:56 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

It used to be that old CB directional were mounted all over the place, but I have been looking lately with little luck. Many have gone the way of the scrap yards, and so few fool

with the CB equipment anymore. I have my eye on an 11 meter omnidirectional that can be adjusted easy enough for 10. Can always use it to monitor with. I should have a new to me rig by next week, a Yaesu 301D with speaker, power supply, and the antenna tuner. Did some horse trading and spent a little money to get it, I hope it works as well as it looks. I guess I will luck up one day and find a nice old beam and clean it up and use it for more constructive purposes. The antenna rotors I had really forgotten about, but that is a good idea.

Walt

From: Wayne Leake
Sent: Sunday, October 09, 2011 4:12 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

I do the same thing. Collect any aluminum antennas I can, with an eye
on making them into ham band antennas.
bear in mind, TV antennas are good for parts, but often not as
durable as commercial and ham antennas. Plus are not cut for any of
the ham bands.
an antenna cut for the old TV channel 2 would need elements made
longer for 6 meters, and the UHF sections are usually too short for 70
centimeters.
some might work on 2 meters, but still might need work.
as for durability, I lost 1/2 an element on the TV antenna I have up.
The plastic broke on one side. I did find the element and put it
aside.
I have a couple of former 11 meter antennas, one I plan to either fix
for 10 meters, or convert to 6 meters. the other is an odd antenna,
horizontal elements, shaped in a "U" shape, made for use on a van
roof. Claimed to be vertically polarized, though I don't see how. It
could convert to 10, or even 6.
I considered making it into a square (like a squalo) for an omni 6
meter. It used a trombone capacitive coupled match, and a fast check
with my analyzer shows it to be resonant on 11. making a mount for a
squalo will be my challenge, and getting it resonant on 6. the
trombone I can modify, having used teh same kind for 2 meters, and
having a commercial antenna for 70 Cm that uses a similar type.
really old single band yagis made for TV can be converetd. One for
channle 6 could be cut down for 2 meters, one for 2 enlarged for 6,
and a channel 13 cut down for 1 1/4 meters (222-225 Mhz).
CB verticals can often be modified for 10, or 12 meters, some even
for 20 or 17 meters. also, keep an eye out for working TV antenna
rotors.
I used one with a large 10 meter beam years ago, and more recently,
for a 4 element 6 meter beam, with a 2 meter beam mounted above it.
I also hope to get my hands on a tower from a TV antenna system, but
not holding my breath.
oh yes, some people have been misled to think that their older TV
antenna will not work with the new digital TV. LOL....

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20101. Yaesu 301D Tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 03:44:11 UTC
From: Walt
Topic: 20090 Message: 20101

I thought is went very well in my favor. I certainly did not want to bring up anything until it was all over. I look forward to receiving the Antenna tuner from you soon.

Walt

From: From the desk of Allan Bell
Sent: Sunday, October 09, 2011 11:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yes, the tuner that I have that you won on EBay is Black.

You got yourself a steal of a deal on that tuner that’s for sure, considering the average sold price on those was $181. according to EBay. I had honestly thought about putting a reserve price on it when I relisted it but forgot all about doing that when I relisted it in auction format.

Allan

[Non-text portions of this message have been removed]

20102. (no subject)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 05:26:41 UTC
From: PETER BROOKES
Topic: 20102 Message: 20102

http://botm.gobehemoth.com/wp-includes/gift [Non-text portions of this message have been removed]

20103. AW: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 10:36:16 UTC
From: Siegfried Jackstien
Topic: 20090 Message: 20103

The horizontal u shaped antenna is maybe something like the ddrr antenna
Roof of van form lower half of antenna
It is (to say in easy words) a very short vertical with a big capacity hat
25 vears ago I found a homemade ddrr for 11m ... yes it worked ...
Was abt 1-2 s units down to my 5/8 vertical
But the vertical was at 15m over ground on a pole
And the ddrr was at 8m height in the attic under the roof shingles
So not a fair comparison
Should be easy to tune to 10m (lower the end capacitance)
Greetz
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Wayne Leake
> Gesendet: Sonntag, 9. Oktober 2011 20:13
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Looking for Local Old Ham and or CB Aluminum
> Antennas
>
>
>
> I do the same thing. Collect any aluminum antennas I can, with an eye
> on making them into ham band antennas.
> bear in mind, TV antennas are good for parts, but often not as
> durable as commercial and ham antennas. Plus are not cut for any of
> the ham bands.
> an antenna cut for the old TV channel 2 would need elements made
> longer for 6 meters, and the UHF sections are usually too short for 70
> centimeters.
> some might work on 2 meters, but still might need work.
> as for durability, I lost 1/2 an element on the TV antenna I have up.
> The plastic broke on one side. I did find the element and put it
> aside.
> I have a couple of former 11 meter antennas, one I plan to either fix
> for 10 meters, or convert to 6 meters. the other is an odd antenna,
> horizontal elements, shaped in a "U" shape, made for use on a van
> roof. Claimed to be vertically polarized, though I don't see how. It
> could convert to 10, or even 6.
> I considered making it into a square (like a squalo) for an omni 6
> meter. It used a trombone capacitive coupled match, and a fast check
> with my analyzer shows it to be resonant on 11. making a mount for a
> squalo will be my challenge, and getting it resonant on 6. the

> trombone I can modify, having used teh same kind for 2 meters, and
> having a commercial antenna for 70 Cm that uses a similar type.
> really old single band yagis made for TV can be converetd. One for
> channle 6 could be cut down for 2 meters, one for 2 enlarged for 6,
> and a channel 13 cut down for 1 1/4 meters (222-225 Mhz).
> CB verticals can often be modified for 10, or 12 meters, some even
> for 20 or 17 meters. also, keep an eye out for working TV antenna
> rotors.
> I used one with a large 10 meter beam years ago, and more recently,
> for a 4 element 6 meter beam, with a 2 meter beam mounted above it.
> I also hope to get my hands on a tower from a TV antenna system, but
> not holding my breath.
> oh yes, some people have been misled to think that their older TV
> antenna will not work with the new digital TV. LOL....
>
>
>

20104. AW: [ham-antennas] Yaesu 301D Tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 10:57:59 UTC
From: Siegfried Jackstien
Topic: 20090 Message: 20104

Hello walt
I have a fc901 tuner
It is almost identical to the 301 (a bit different design on front)
Now here comes the story
In these tuners the band-switch has 3 rotary switches on one axle ...
One of them is used for the coil as band-switch and the 2 other are only
used to bridge the tuner (switch to bypass) ...
On my tuner one of the ceramics wafers were broken :-(
Now here the story how I modded the tuner:
I added a dpdt switch at the backside of the tuner (right over the
swr-bridge was some room)
So that was solution for bridging....
For band-switching I could get a one row rotary switch with lots more
contacts from a friend (15 contacts! Plus one added by me)
I added coil taps between the other original taps
put it the new switch
And clued another dark grey pvc front-plate over the original (only at the
bandswitch area) with new white rub-on numbers on it
Looks great and tuning is much easier with more coil-taps :-)
Additionally I converted the longwire output (antenna position 4) to
balanced output with a homemade balun (lift the ground connection inside and
use both screw-terminals floating!)
It is not in original state anymore now .... but looks original (almost) and
does work a lot better!!
(For tuning a longwire just put it in a coax output with a banana plug)

Greetz
Sigi
Dg9bfc

Pictures in the group :-)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Montag, 10. Oktober 2011 03:44
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Yaesu 301D Tuner
>
>
>
> I thought is went very well in my favor. I certainly did not want to bring
> up anything until it was all over. I look forward to receiving the Antenna
> tuner from you soon.
>

> Walt
>
> From: From the desk of Allan Bell
> Sent: Sunday, October 09, 2011 11:20 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: Looking for Local Old Ham and or CB
> Aluminum Antennas
>
> Yes, the tuner that I have that you won on EBay is Black.
>
> You got yourself a steal of a deal on that tuner that□s for sure,
> considering the average sold price on those was $181. according to EBay. I
> had honestly thought about putting a reserve price on it when I relisted
> it but forgot all about doing that when I relisted it in auction format.
>
> Allan
>
> [Non-text portions of this message have been removed]
>
>
>
>

20105. Re: 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 12:03:34 UTC
From: allen jackson
Topic: 20012 Message: 20105

fine you a old CB antenna and convert it to 6 meters you should be able to fine one around they work very well in 6 meters

just take a 1/4 cb and make it a 1/2 wave on 6

most base cb antenna are 13' bring it down to about 9' and the bottom rails make then about 4.95' and it should have a low SWR's from about 51- about 52.75 maybe a little more try it see how it does

[Non-text portions of this message have been removed]

20106. Chameleon V1 Mobile Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 14:31:30 UTC
From: YY5DCV - Dario Carrera
Topic: 20106 Message: 20106

Chameleon V1 Mobile antenna! An excellent Choice!

Guys check out this small video made by YV5OF on his mobile station, he installed a Chameleon V1 antenna on his Mitsubishi Montero and check out some of the results. The antenna seems very promising.

The video:

http://www.youtube.com/watch?v=dMH1WN8xVSA
<http://www.youtube.com/watch?v=dMH1WN8xVSA&feature=player_embedded>
&feature=player_embedded

The company website:
www.chameleonantenna.com

The Antenna is rather simple But more efficient than my ATAS. I have nothing against the ATAS, in fact it proved to be a nice little piece of equipment while I had it but I simply needed a bit more. I would ,like to know any opinions you may have on this system.

73's,

Dario Carrera

YY5DCV

FK60NL

[Non-text portions of this message have been removed]

20107. Re: [ham-antennas] Re: 6 METER ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 14:47:47 UTC
From: Walt
Topic: 20012 Message: 20107

OK, will do. I plan to get some more stuff this week to make some things happen in the antenna department. Thanks for the tip.

From: allen jackson
Sent: Monday, October 10, 2011 8:03 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 6 METER ANTENNAS

fine you a old CB antenna and convert it to 6 meters you should be able to fine one around they work very well in 6 meters

just take a 1/4 cb and make it a 1/2 wave on 6

most base cb antenna are 13' bring it down to about 9' and the bottom rails make then about 4.95' and it should have a low SWR's from about 51- about 52.75 maybe a little more try it see how it does

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

20108. Re: AW: [ham-antennas] Yaesu 301D Tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 14:57:09 UTC
From: Walt
Topic: 20090 Message: 20108

Thanks for the information Siegfried, I am planning on looking over all aspects of the tuner when I get it. Pretty novel idea with the rotary switch and the new coil taps. People like you make subscribing here worth it!

Walt

From: Siegfried Jackstien
Sent: Monday, October 10, 2011 6:57 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Yaesu 301D Tuner

Hello walt
I have a fc901 tuner
It is almost identical to the 301 (a bit different design on front)
Now here comes the story
In these tuners the band-switch has 3 rotary switches on one axle ...
One of them is used for the coil as band-switch and the 2 other are only used to bridge the tuner (switch to bypass) ...
On my tuner one of the ceramics wafers were broken :-(
Now here the story how I modded the tuner:
I added a dpdt switch at the backside of the tuner (right over the swr-bridge was some room)
So that was solution for bridging....
For band-switching I could get a one row rotary switch with lots more contacts from a friend (15 contacts! Plus one added by me)
I added coil taps between the other original taps
put it the new switch
And clued another dark grey pvc front-plate over the original (only at the bandswitch area) with new white rub-on numbers on it
Looks great and tuning is much easier with more coil-taps :-)
Additionally I converted the longwire output (antenna position 4) to balanced output with a homemade balun (lift the ground connection inside and use both screw-terminals floating!)
It is not in original state anymore now .... but looks original (almost) and does work a lot better!!
(For tuning a longwire just put it in a coax output with a banana plug)

Greetz
Sigi
Dg9bfc

Pictures in the group :-)

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt

> Gesendet: Montag, 10. Oktober 2011 03:44
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: [ham-antennas] Yaesu 301D Tuner
>
>
>
> I thought is went very well in my favor. I certainly did not want to bring
> up anything until it was all over. I look forward to receiving the Antenna
> tuner from you soon.
>
> Walt
>
> From: From the desk of Allan Bell
> Sent: Sunday, October 09, 2011 11:20 PM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: Looking for Local Old Ham and or CB
> Aluminum Antennas
>
> Yes, the tuner that I have that you won on EBay is Black.
>
> You got yourself a steal of a deal on that tuner that□s for sure,
> considering the average sold price on those was $181. according to EBay. I
> had honestly thought about putting a reserve price on it when I relisted
> it but forgot all about doing that when I relisted it in auction format.
>
> Allan
>
> [Non-text portions of this message have been removed]
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

20109. RE: [ham-antennas] Re: Portable / Mobile NVIS Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 15:58:49 UTC
From: jim burns
Topic: 19957 Message: 20109

Try an Alpha Delta DXDD at around 15 - 20 feet. An ARES group in Ohio just completed a comparison of the DXDD against 9 other NVIS antennas including some specifically designed and built for NVIS. The DXDD "performed flawlessly" (quote) and proved far superior to the other nine antennas. Alpha Delta will be introducing a new version of the DXDD that is NVIS/Portable friendly.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Tom
Sent: Thursday, October 06, 2011 6:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Portable / Mobile NVIS Antennas

After a week of experimenting.
Testing is with myself and another station 40 miles away, but over a mountain. We know no ground wave is working. Our end goal is to have reliable, portable low power NVIS comms less than 200 miles.

First we both tried a Hamstick "T" dipole arrangement mounted on a tripod 8 feet high on 40M with no success. No QSO even at 100 watts.

Then we tried 64 ft wire dipoles for 40 meters. At first we had the dipoles at 8 feet high, and heard very faint copy at 100W, and none at 50W. At the same time I was having great qso with people 400 to 1000 miles away, so that told me my radiating lobes were still too shallow.

Then we kept lowering the dipoles until we found a sweet spot for 40 Meters. Look like 3 feet high at the center and 2 feet high at the ends, just supported with wood stakes. Now we have good copy QSO at 5 WATTS SSB! So now we have 40 and 60 meters licked. 80 meters showed no signal- I'm thinking the dipole needs to be 2X higher for 80M.

Now that we have a handle on antenna height, one of us will go back to the Hamstick arrangement, only lower, and try again.

The next step will be trying PSK at less than 5 watts.

I'm looking into other portable NVIS antennas, some are dual autotune screwdrivers, some are just mil-spec loaded coils.

To be continued.

Tom N3UJM

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "dean" <deanf@...> wrote:
>

> As soon as I get the stud for my 3/8 x 24 mount Iâ€™ll be doing a 40 / 75 meter NVIS but up at 12 to 15â€™ off the ground. My vehicle will be the ground part of the antenna so should be interesting on how long the wire will be. Iâ€™ve been trying to convince our local SAR (Search and Rescue) group to go NVIS on 40 meters, but of course that would mean more generals and higher licenses. We generally donâ€™t do searchâ€™s after dark. We are always in nasty terrain.
>
> Iâ€™ve never tried QRP at all. Iâ€™m mostly 100 Wâ€™s of power mobile and portable and 500 Wâ€™s in the shack.
>
> 73, WY6L
>
> From: kd8dvy@...
> Sent: Tuesday, October 04, 2011 5:10 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Re: Portable / Mobile NVIS Antennas
>
>
> When I work NVIS I can get about 350 miles or so and that is on 40/80 meter and my antenna center is 12-15' and the ends are about 2-4' off the ground.
>
> This is where things get really interesting. I am a purely QRP SSB operator and it still works. There is a group called LXpedition that is only local to ATLANTA, GA and that is all we do. You may want to contact the Moderator and ask him how you can do something local to your area.
>
> This is one of my portable set-ups.
>
> Harold
> KD8DVY
>
> --- In mailto:ham-antennas%40yahoogroups.com, "Tom" <tom.majewski@> wrote:
> >
> > Please excuse the messed up duplicate links.
> >
> >
> > Tom, N3UJM
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20110. Re: [ham-antennas] Chameleon V1 Mobile Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 17:04:38 UTC
From: Jay Jordan
Topic: 20106 Message: 20110

I've used the V1 (borrowed from a friend) in a portable application and it performed well for me . I did not have an analyzer but my Z-817 tuned it easily. I have since bought a V2L that I use, and I am happy with the results .I substituted the Stainless top whip with a shock corded whip for ease of portability.

From: YY5DCV - Dario Carrera <yy5dcv@...>
Chameleon V1 Mobile antenna! An excellent Choice!

Guys check out this small video made by YV5OF on his mobile station, he installed a Chameleon V1 antenna on his Mitsubishi Montero and check out some of the results. The antenna seems very promising.

[Non-text portions of this message have been removed]

20111. Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-10 20:08:31 UTC
From: Memwl
Topic: 20090 Message: 20111

Check out Hy-Gain I hear they brought back the old penetrator, if you talking vertical and for what band.

>_____
>From: Walt Wilson <WWILSON@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, October 8, 2011 9:26 PM
>Subject: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas
>
>
>
>I am hoping to collect enough old aluminum parts from previous antennas to try and build my own antenna. Any old unwanted or crashed antenna parts is what I am looking for. Thanks
>
>
>
>
>

[Non-text portions of this message have been removed]

20112. Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-11 02:22:30 UTC
From: Walt
Topic: 20090 Message: 20112

Most any band. I have a knock off brand 11 meters Ground Plane. Approximately 22 feet tall. Can shorten it for 10 or 6 meters. Will need to break out the wool and scrub it down, check all the connections, etc..

From: Memwl
Sent: Monday, October 10, 2011 4:08 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

Check out Hy-Gain I hear they brought back the old penetrator, if you talking vertical and for what band.

>_____
>From: Walt Wilson <mailto:WWILSON%40triad.rr.com>
>To: mailto:ham-antennas%40yahoogroups.com
>Sent: Saturday, October 8, 2011 9:26 PM
>Subject: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas
>
>
>
>I am hoping to collect enough old aluminum parts from previous antennas to try and build my own antenna. Any old unwanted or crashed antenna parts is what I am looking for. Thanks
>
>
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11

[Non-text portions of this message have been removed]

20113. AW: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-11 05:45:42 UTC
From: Siegfried Jackstien
Topic: 20090 Message: 20113

See if you can ge

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 11. Oktober 2011 02:23
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
>
>
>
> Most any band. I have a knock off brand 11 meters Ground Plane.
> Approximately 22 feet tall. Can shorten it for 10 or 6 meters. Will need
> to break out the wool and scrub it down, check all the connections, etc..
>
> From: Memwl
> Sent: Monday, October 10, 2011 4:08 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
>
> Check out Hy-Gain I hear they brought back the old penetrator, if you
> talking vertical and for what band.
>
> >_____
> >From: Walt Wilson <mailto:WWILSON%40triad.rr.com>
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Saturday, October 8, 2011 9:26 PM
> >Subject: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
> > >
> > >
> > >
> >I am hoping to collect enough old aluminum parts from previous antennas
> to try and build my own antenna. Any old unwanted or crashed antenna parts
> is what I am looking for. Thanks
> > >
> > >
> > >
> > >
> > >
>
> [Non-text portions of this message have been removed]

>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

20114. AW: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-11 05:53:32 UTC
From: Siegfried Jackstien
Topic: 20090 Message: 20114

See if you can get an old cb halfwave
Throw out the steup-up transformer in the base or if ringo ranger or city star the "coil" that is formed like a ring or oval ...
Now what do we have here?
A nice quarterwave for 20m ...
Add some radials and youre done ...
Ad an autotuner at the base and work 10-20 with it
Or just shorten it to any band above 20 ....
You could even use the 20m quarterwave as "pole" for paralleled wire radiators and make a multibander from it
Just "some" ideas what I made with old cb antennas ...
Makes great fieldday antennas :-)
For using with an autotuner it is better to seek for a 5/8 vertical ...
Because it is longer (6.5-7m) you can use it 10-40m!!
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 11. Oktober 2011 02:23
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
>
>
>
> Most any band. I have a knock off brand 11 meters Ground Plane.
> Approximately 22 feet tall. Can shorten it for 10 or 6 meters. Will need
> to break out the wool and scrub it down, check all the connections, etc..
>
> From: Memwl
> Sent: Monday, October 10, 2011 4:08 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
>
> Check out Hy-Gain I hear they brought back the old penetrator, if you
> talking vertical and for what band.
>
> >_____
> >From: Walt Wilson <mailto:WWILSON%40triad.rr.com>
> >To: mailto:ham-antennas%40yahoogroups.com

> >Sent: Saturday, October 8, 2011 9:26 PM
> >Subject: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
> >
> >
> >
> >I am hoping to collect enough old aluminum parts from previous antennas
> to try and build my own antenna. Any old unwanted or crashed antenna parts
> is what I am looking for. Thanks
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

20115. Several Wattmeters and SWR Bridges FS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-11 15:28:07 UTC
From: Ken Simpson, W8EK
Topic: 20115 Message: 20115

Several Wattmeters and SWR Bridges For Sale:

Swan WM-2000 Wattmeter / SWR Bridge:

The Swan WM-2000 power meter and SWR bridge covers 3.5 to 30 MHz. Power scales are 200, 1000, 2000 watts. It has a very large (over 5 inch) meter, for easy visibility. The rear panel has SO-239 input and output connectors.

This is an extremely nice meter, primarily due to its large physical meter, making it easy to read.

This one is in extremely good condition. It works 100% and looks very close to new.

With paper work for $80.

Autek WM-1 Computing HF Wattmeter:

The WM-1 Meter doesn't make you stare at crossed needles or make adjustments or do any calculations to read SWR. Instead, like magic, it shows SWR instantly and continuously. So it's a snap to do SWR plots, adjust antenna tuners, or just glance at the SWR occasionally to see that it's still low.

This meter has scales of 20, 200, and 2000 watts. It will measure either peak or average power. And peak is true peak, with a slowly decaying display that can really can be read. It also has a separate sensor that can be separated from the actual meter. It covers from 1.5 to 30 MHz, and will cover to 54 MHz at reduced power, so it will cover all of the HF bands, plus 6 meters.

This particular meter works 100% and looks fine. Paper work is included for $100.

Heath HM-2140 A, dual meter Wattmeter / SWR Bridge:

The HM-2140 A uses two separate meters to measure power and SWR (forward and reflected power). It will measure either average power, or peak power (PEP) with a 9 volt battery. Power ranges are 200 and 2000 watts. Frequency range is from 160 thru 10 meters. It has a remote sensor, which permits the meter to be separated from the coax connection by up to 3 feet. This is the "A" model of this meter, which is the Heath Brown color (not the green), and has more features.

More details can be found at
http://www.radiomuseum.org/r/heath_wattmeter_hm_2140a_hm2140.html

This particular unit works fine, and looks very close to new.
With paper work for $100.

Heath SB-634 Station Console, with Wattmeter and more:

The Heathkit SB-634 station console is a multifunction unit.
It contains a 24 hour digital clock (6 large digits, including
seconds), 10 minute interval timer (3 digits -- minutes and
seconds), phone patch and an SWR/Power meter. The large
wattmeter reads either 200 watts or 2000 watts full scale,
in addition to SWR. It matches the Heath SB series of equipment
(Heath green), and is powered by 115 V AC.

This unit works on all of its functions. It looks extremely
nice. I can not find a scratch on it, but there is very slight
(and I emphasize very slight) wear on the 2000 watt push button.

With paper work for $150.

HF and VHF Standing Wave Ratio Bridges:

All of these cover from 3 to 150 MHz, covering HF, 6 meters,
and 2 meters, so are ideal for the new rigs with 6 meters and
2 meters in them. SO-239 connectors.

Carter Craft 90-300 HF SWR Bridge:
The Carter Craft 90-300 is a single Meter SWR Bridge /
Field Strength Meter. It covers from 3 to 150 MHz,
covering HF, 6 meters, and 2 meters, so is ideal for
the new rigs with 6 meters and 2 meters in them.
SO-239 connectors.
Although this has a Carter Craft name on it, it is the
same meter that was sold years ago under a couple dozen
different names, including Vanco, Midland, Quements,
Olson, and many others.
This one works fine, and looks extremely nice. I do not
see any scratches on it, and I am 99% certain it has not
been used, except for my testing of it.
In its original box with original instructions and little
field strength antenna. $30

Quement SWB-2
This unit features two separate meters -- one for reading
forward power and another for reading SWR. This permits one
to easily monitor both the power going out, and the SWR on
the antenna at the same time.
It works fine and looks great. With paper work for $37.

Royce 2-100 Single Meter SWR Bridge / Field Strength Meter
This one works fine, and looks extremely nice. I do not see
any scratches on it, but it does have a previous owners name

on it. In its original box with original instructions. $28

I also have many other accessories available such as many
different types of microphones, HTs, VHF and UHF rigs, HF
and VHF/UHF antennas, etc.
Just too many to list here. Please e-mail your requests.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

20116. Re: AW: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-11 15:36:33 UTC
From: Walt
Topic: 20090 Message: 20116

I uneducated question. The 22 foot ground plane I plan to work with has the round loading ring with the antenna connector on the ring. Where does one move the connector to, or how do you make the connection if you do away with this ring at the bottom?

From: Siegfried Jackstien
Sent: Tuesday, October 11, 2011 1:53 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

See if you can get an old cb halfwave
Throw out the steup-up transformer in the base or if ringo ranger or city
star the "coil" that is formed like a ring or oval ...
Now what do we have here?
A nice quarterwave for 20m ...
Add some radials and youre done ...
Ad an autotuner at the base and work 10-20 with it
Or just shorten it to any band above 20 ....
You could even use the 20m quarterwave as "pole" for paralleled wire
radiators and make a multibander from it
Just "some" ideas what I made with old cb antennas ...
Makes great fieldday antennas :-)
For using with an autotuner it is better to seek for a 5/8 vertical ...
Because it is longer (6.5-7m) you can use it 10-40m!!
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 11. Oktober 2011 02:23
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
>
>
>
> Most any band. I have a knock off brand 11 meters Ground Plane.
> Approximately 22 feet tall. Can shorten it for 10 or 6 meters. Will need
> to break out the wool and scrub it down, check all the connections, etc..
>
> From: Memwl
> Sent: Monday, October 10, 2011 4:08 PM

> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
>
> Check out Hy-Gain I hear they brought back the old penetrator, if you
> talking vertical and for what band.
>
> >_____
> >From: Walt Wilson <mailto:WWILSON%40triad.rr.com>
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Saturday, October 8, 2011 9:26 PM
> >Subject: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
> >
> >
> >
> >I am hoping to collect enough old aluminum parts from previous antennas
> to try and build my own antenna. Any old unwanted or crashed antenna parts
> is what I am looking for. Thanks
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date: 10/07/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2090/4545 - Release Date: 10/10/11

[Non-text portions of this message have been removed]

20117. AW: AW: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-11 17:07:29 UTC
From: Siegfried Jackstien
Topic: 20090 Message: 20117

Ok ringo ranger style ... with a slider that goes to center of coax ....

Throw away the ring and the slider (keep washer, nut etc.)
Now you should have a horizontal plate were the connector of the coax is in
and another plate that is connected to radiator with 2 holes on its ends ...
right?!?
Bent the upper flat in a u-shape (downwards) that the hole matches the
center of the coax connector... attach nut and washer back to the coax
center
Ready (almost)
The unused hole in the lower plate (were the lowest end of the ring was
attached) could be used to connect the radials
That□s it :-)
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 11. Oktober 2011 15:37
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Looking for Local Old Ham and or CB
> Aluminum Antennas
>
>
>
> I uneducated question. The 22 foot ground plane I plan to work with has
> the round loading ring with the antenna connector on the ring. Where does
> one move the connector to, or how do you make the connection if you do
> away with this ring at the bottom?
>
> From: Siegfried Jackstien
> Sent: Tuesday, October 11, 2011 1:53 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> Antennas
>
> See if you can get an old cb halfwave
> Throw out the steup-up transformer in the base or if ringo ranger or city
> star the "coil" that is formed like a ring or oval ...
> Now what do we have here?
> A nice quarterwave for 20m ...
> Add some radials and youre done ...
> Ad an autotuner at the base and work 10-20 with it

> Or just shorten it to any band above 20 ....
> You could even use the 20m quarterwave as "pole" for paralleled wire
> radiators and make a multibander from it
> Just "some" ideas what I made with old cb antennas ...
> Makes great fieldday antennas :-)
> For using with an autotuner it is better to seek for a 5/8 vertical ...
> Because it is longer (6.5-7m) you can use it 10-40m!!
> Greetz
> Sigi
> Dg9bfc
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Walt
> > Gesendet: Dienstag, 11. Oktober 2011 02:23
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> > Antennas
> > >
> > >
> > >
> > Most any band. I have a knock off brand 11 meters Ground Plane.
> > Approximately 22 feet tall. Can shorten it for 10 or 6 meters. Will need
> > to break out the wool and scrub it down, check all the connections,
> etc..
> > >
> > From: Memwl
> > Sent: Monday, October 10, 2011 4:08 PM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> > Antennas
> > >
> > Check out Hy-Gain I hear they brought back the old penetrator, if you
> > talking vertical and for what band.
> > >
> > >_____
> > >From: Walt Wilson <mailto:WWILSON%40triad.rr.com>
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Sent: Saturday, October 8, 2011 9:26 PM
> > >Subject: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> > Antennas
> > > >
> > > >
> > > >
> > >I am hoping to collect enough old aluminum parts from previous antennas
> > to try and build my own antenna. Any old unwanted or crashed antenna
> parts
> > is what I am looking for. Thanks

> > >
> > >
> > >
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date:
> 10/07/11
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1831 / Virus Database: 2090/4545 - Release Date: 10/10/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

20119. Re: Portable / Mobile NVIS Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-11 20:58:34 UTC
From: Tom
Topic: 19957 Message: 20119

Using my 2 foot high 40 meter dipole was a success in the PA QSO Party this past weekend. I came to the contest late, not knowing it was on, and in one day logged 55 out of 67 counties with 5-9 reports. So I know I can pretty much cover the tri-state area. Now I have added another identical dipole crossways and feed it with a 90 degree delay coil and switchbox to go circular polarized to capture both ORD and Ext ORD waves. There is a noticeable improvement.

Tom N3UJM

--- In ham-antennas@yahoogroups.com, "jim burns" <jfburns@...> wrote:
>
> Try an Alpha Delta DXDD at around 15 - 20 feet. An ARES group in Ohio just completed a comparison of the DXDD against 9 other NVIS antennas including some specifically designed and built for NVIS. The DXDD "performed flawlessly" (quote) and proved far superior to the other nine antennas. Alpha Delta will be introducing a new version of the DXDD that is NVIS/Portable friendly.
>
> Jim, WB4ILP
>

20120. Re: AW: AW: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-11 22:42:44 UTC
From: Walt
Topic: 20090 Message: 20120

Alright, thanks Sigi, It is pouring rain here as it has all day, so experimentation will have to wait for dryer weather

From: Siegfried Jackstien
Sent: Tuesday, October 11, 2011 1:07 PM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Looking for Local Old Ham and or CB Aluminum Antennas

Ok ringo ranger style ... with a slider that goes to center of coax ....

Throw away the ring and the slider (keep washer, nut etc.)
Now you should have a horizontal plate were the connector of the coax is in
and another plate that is connected to radiator with 2 holes on its ends ...
right?!?
Bent the upper flat in a u-shape (downwards) that the hole matches the
center of the coax connector... attach nut and washer back to the coax
center
Ready (almost)
The unused hole in the lower plate (were the lowest end of the ring was
attached) could be used to connect the radials
That□s it :-)
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Walt
> Gesendet: Dienstag, 11. Oktober 2011 15:37
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Looking for Local Old Ham and or CB
> Aluminum Antennas
>
>
>
> I uneducated question. The 22 foot ground plane I plan to work with has
> the round loading ring with the antenna connector on the ring. Where does
> one move the connector to, or how do you make the connection if you do
> away with this ring at the bottom?
>
> From: Siegfried Jackstien
> Sent: Tuesday, October 11, 2011 1:53 AM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Looking for Local Old Ham and or CB Aluminum

> Antennas
>
> See if you can get an old cb halfwave
> Throw out the steup-up transformer in the base or if ringo ranger or city
> star the "coil" that is formed like a ring or oval ...
> Now what do we have here?
> A nice quarterwave for 20m ...
> Add some radials and youre done ...
> Ad an autotuner at the base and work 10-20 with it
> Or just shorten it to any band above 20 ....
> You could even use the 20m quarterwave as "pole" for paralleled wire
> radiators and make a multibander from it
> Just "some" ideas what I made with old cb antennas ...
> Makes great fieldday antennas :-)
> For using with an autotuner it is better to seek for a 5/8 vertical ...
> Because it is longer (6.5-7m) you can use it 10-40m!!
> Greetz
> Sigi
> Dg9bfc
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Walt
> > Gesendet: Dienstag, 11. Oktober 2011 02:23
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> > Antennas
> >
> >
> >
> > Most any band. I have a knock off brand 11 meters Ground Plane.
> > Approximately 22 feet tall. Can shorten it for 10 or 6 meters. Will need
> > to break out the wool and scrub it down, check all the connections,
> etc..
> >
> > From: Memwl
> > Sent: Monday, October 10, 2011 4:08 PM
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subject: Re: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> > Antennas
> >
> > Check out Hy-Gain I hear they brought back the old penetrator, if you
> > talking vertical and for what band.
> >
> > >_____
> > >From: Walt Wilson <mailto:WWILSON%40triad.rr.com>
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Sent: Saturday, October 8, 2011 9:26 PM

> > >Subject: [ham-antennas] Looking for Local Old Ham and or CB Aluminum
> > Antennas
> > >
> > >
> > >
> > >I am hoping to collect enough old aluminum parts from previous antennas
> > to try and build my own antenna. Any old unwanted or crashed antenna
> parts
> > is what I am looking for. Thanks
> > >
> > >
> > >
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 2012.0.1831 / Virus Database: 2085/4543 - Release Date:
> 10/07/11
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1831 / Virus Database: 2090/4545 - Release Date: 10/10/11
>
> [Non-text portions of this message have been removed]
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2090/4545 - Release Date: 10/10/11

[Non-text portions of this message have been removed]

20121. Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-11 23:45:55 UTC
From: pchapman920
Topic: 20121 Message: 20121

Trying to spot a new antenna or adding a leg maybe for 75 on an existing 40 dipole. Either way, for 75, I will have to go literally through a tree or two and would have to most likely rub branches or leaves. I have no doubt you folks would give a thumbs down on bare copper for this one, but what would be your opinions of using stranded insulated, assuming I am very careful of sealing the cut ends etc. I bought some odd lots of dacron rope dirt cheap and would not have considered before now as the rope span would be quite long, but would have a tree that about 10 feet of one leg would have to pass through, and it will touch.

20122. RE: [ham-antennas] Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-12 00:35:51 UTC
From: Richard Schmuke
Topic: 20121 Message: 20122

Just a quick note about rope length , I don't consider 100 or 150ft of rope long, it all depends where you tree or support is. I have a 135ft doublet and one end has no tree so it is run out about with 150ft of rope and makes sort of a half inverted V on one end, the other side runs out to a 2x4 up on the top of the barn so I guess it is verted. Going thru a tree should be no problem on 74 & 40 HF unless you operate during a heavy rain.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of pchapman920
Sent: Tuesday, October 11, 2011 6:46 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Another question on insulated copper for wire antenna

Trying to spot a new antenna or adding a leg maybe for 75 on an existing 40 dipole. Either way, for 75, I will have to go literally through a tree or two and would have to most likely rub branches or leaves. I have no doubt you folks would give a thumbs down on bare copper for this one, but what would be your opinions of using stranded insulated, assuming I am very careful of sealing the cut ends etc. I bought some odd lots of dacron rope dirt cheap and would not have considered before now as the rope span would be quite long, but would have a tree that about 10 feet of one leg would have to pass through, and it will touch.

[Non-text portions of this message have been removed]

20123. Re: Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-12 02:06:47 UTC
From: pchapman920
Topic: 20121 Message: 20123

Thanks for the response Rich:

Let me clarify a bit. I would not have considered but picked up a bunch of uv dacron 1/4 inch under 10 cents a foot. Now i can look at what at what i would not have considered before, now no longer a matter of having to string it a long way, and also clarify I DO want to operate during a heavy rain and assume all conditions. If I add to a free and clear 40 meter dipole, maybe that is not good. Appreciate however as I look for opinions of running single or multi dipole with trees and limbs in the way but using insulated antenna wire, along with bare copper in the free and clear areas.

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> Just a quick note about rope length , I don't consider 100 or 150ft of rope
> long, it all depends where you tree or support is. I have a 135ft doublet
> and one end has no tree so it is run out about with 150ft of rope and makes
> sort of a half inverted V on one end, the other side runs out to a 2x4 up on
> the top of the barn so I guess it is verted. Going thru a tree should be no
> problem on 74 & 40 HF unless you operate during a heavy rain.
>
> Rich , Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of pchapman920
> Sent: Tuesday, October 11, 2011 6:46 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Another question on insulated copper for wire
> antenna
>
>
>
>
>
>
> Trying to spot a new antenna or adding a leg maybe for 75 on an existing 40
> dipole. Either way, for 75, I will have to go literally through a tree or
> two and would have to most likely rub branches or leaves. I have no doubt
> you folks would give a thumbs down on bare copper for this one, but what
> would be your opinions of using stranded insulated, assuming I am very
> careful of sealing the cut ends etc. I bought some odd lots of dacron rope
> dirt cheap and would not have considered before now as the rope span would
> be quite long, but would have a tree that about 10 feet of one leg would
> have to pass through, and it will touch.
>
>

>
>
>
> [Non-text portions of this message have been removed]
>

20124. RE: [ham-antennas] Re: Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-12 02:35:30 UTC
From: Richard Schmuke
Topic: 20121 Message: 20124

I don't know for sure what the action of rain and your antenna will have. I do know my ladder line fed 135 doublet is more sensitive to rain than my coax fed loop. How about a small line with a $2 plastic close line pulley from Lowes tossed over the very top of the tree and a small line thru the pulley to support the antenna, with luck it will keep the antenna clear 98% of the time if the wind stays under 27MPH.

Adding to a 40M dipole should be no problem I ran a 75,40,20,17 & 10 dipole on one coax for a while.

Rich
Subject: [ham-antennas] Re: Another question on insulated copper for wire antenna

Thanks for the response Rich:

Let me clarify a bit. I would not have considered but picked up a bunch of uv dacron 1/4 inch under 10 cents a foot. Now i can look at what at what i would not have considered before, now no longer a matter of having to string it a long way, and also clarify I DO want to operate during a heavy rain and assume all conditions. If I add to a free and clear 40 meter dipole, maybe that is not good. Appreciate however as I look for opinions of running single or multi dipole with trees and limbs in the way but using insulated antenna wire, along with bare copper in the free and clear areas.

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Richard Schmuke" <rdj@...> wrote:
>
> Just a quick note about rope length , I don't consider 100 or 150ft of
rope
> long, it all depends where you tree or support is. I have a 135ft doublet
> and one end has no tree so it is run out about with 150ft of rope and
makes
> sort of a half inverted V on one end, the other side runs out to a 2x4 up
on
> the top of the barn so I guess it is verted. Going thru a tree should be
no
> problem on 74 & 40 HF unless you operate during a heavy rain.
>
> Rich , Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

] On
> Behalf Of pchapman920
> Sent: Tuesday, October 11, 2011 6:46 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Another question on insulated copper for wire
> antenna
>
>
>
>
>
> Trying to spot a new antenna or adding a leg maybe for 75 on an existing
40
> dipole. Either way, for 75, I will have to go literally through a tree or
> two and would have to most likely rub branches or leaves. I have no doubt
> you folks would give a thumbs down on bare copper for this one, but what
> would be your opinions of using stranded insulated, assuming I am very
> careful of sealing the cut ends etc. I bought some odd lots of dacron rope
> dirt cheap and would not have considered before now as the rope span would
> be quite long, but would have a tree that about 10 feet of one leg would
> have to pass through, and it will touch.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20125. Re: [ham-antennas] Several Wattmeters and SWR Bridges FS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-12 05:02:19 UTC
From: David Propper
Topic: 20115 Message: 20125

Ken,

I am definitely interested in the WM-1 meter, Can you tell me the following regarding this unit:

1) are you including the external power supply with it ?
2) is this the version with the lighted meters ?
3) are the meters white face or black face (there have been both types)
4) does your price include shipping, etc ?

Thanks very much and 73,
Dave, K2DP, St. Louis, MO
On Oct 11, 2011, at 10:28 AM, Ken Simpson, W8EK wrote:

>
> Several Wattmeters and SWR Bridges For Sale:
>
> Swan WM-2000 Wattmeter / SWR Bridge:
>
> The Swan WM-2000 power meter and SWR bridge covers 3.5 to
> 30 MHz. Power scales are 200, 1000, 2000 watts. It has a
> very large (over 5 inch) meter, for easy visibility. The
> rear panel has SO-239 input and output connectors.
>
> This is an extremely nice meter, primarily due to its large
> physical meter, making it easy to read.
>
> This one is in extremely good condition. It works 100%
> and looks very close to new.
>
> With paper work for $80.
>
> Autek WM-1 Computing HF Wattmeter:
>
> The WM-1 Meter doesn't make you stare at crossed needles or
> make adjustments or do any calculations to read SWR. Instead,
> like magic, it shows SWR instantly and continuously. So it's
> a snap to do SWR plots, adjust antenna tuners, or just glance
> at the SWR occasionally to see that it's still low.
>
> This meter has scales of 20, 200, and 2000 watts. It will
> measure either peak or average power. And peak is true peak,
> with a slowly decaying display that can really can be read.
> It also has a separate sensor that can be separated from the
> actual meter. It covers from 1.5 to 30 MHz, and will cover
> to 54 MHz at reduced power, so it will cover all of the HF

> bands, plus 6 meters.
>
> This particular meter works 100% and looks fine. Paper
> work is included for $100.
>
> Heath HM-2140 A, dual meter Wattmeter / SWR Bridge:
>
> The HM-2140 A uses two separate meters to measure power and
> SWR (forward and reflected power). It will measure either
> average power, or peak power (PEP) with a 9 volt battery.
> Power ranges are 200 and 2000 watts. Frequency range is
> from 160 thru 10 meters. It has a remote sensor, which
> permits the meter to be separated from the coax connection
> by up to 3 feet. This is the "A" model of this meter, which
> is the Heath Brown color (not the green), and has more features.
>
> More details can be found at
> http://www.radiomuseum.org/r/heath_wattmeter_hm_2140a_hm2140.html
>
> This particular unit works fine, and looks very close to new.
> With paper work for $100.
>
> Heath SB-634 Station Console, with Wattmeter and more:
>
> The Heathkit SB-634 station console is a multifunction unit.
> It contains a 24 hour digital clock (6 large digits, including
> seconds), 10 minute interval timer (3 digits -- minutes and
> seconds), phone patch and an SWR/Power meter. The large
> wattmeter reads either 200 watts or 2000 watts full scale,
> in addition to SWR. It matches the Heath SB series of equipment
> (Heath green), and is powered by 115 V AC.
>
> This unit works on all of its functions. It looks extremely
> nice. I can not find a scratch on it, but there is very slight
> (and I emphasize very slight) wear on the 2000 watt push button.
>
> With paper work for $150.
>
> HF and VHF Standing Wave Ratio Bridges:
>
> All of these cover from 3 to 150 MHz, covering HF, 6 meters,
> and 2 meters, so are ideal for the new rigs with 6 meters and
> 2 meters in them. SO-239 connectors.
>
> Carter Craft 90-300 HF SWR Bridge:
> The Carter Craft 90-300 is a single Meter SWR Bridge /
> Field Strength Meter. It covers from 3 to 150 MHz,
> covering HF, 6 meters, and 2 meters, so is ideal for
> the new rigs with 6 meters and 2 meters in them.
> SO-239 connectors.

> Although this has a Carter Craft name on it, it is the
> same meter that was sold years ago under a couple dozen
> different names, including Vanco, Midland, Quements,
> Olson, and many others.
> This one works fine, and looks extremely nice. I do not
> see any scratches on it, and I am 99% certain it has not
> been used, except for my testing of it.
> In its original box with original instructions and little
> field strength antenna. $30
>
> Quement SWB-2
> This unit features two separate meters -- one for reading
> forward power and another for reading SWR. This permits one
> to easily monitor both the power going out, and the SWR on
> the antenna at the same time.
> It works fine and looks great. With paper work for $37.
>
> Royce 2-100 Single Meter SWR Bridge / Field Strength Meter
> This one works fine, and looks extremely nice. I do not see
> any scratches on it, but it does have a previous owners name
> on it. In its original box with original instructions. $28
>
> I also have many other accessories available such as many
> different types of microphones, HTs, VHF and UHF rigs, HF
> and VHF/UHF antennas, etc.
> Just too many to list here. Please e-mail your requests.
>
> Prices do not include shipping from Florida.
>
> Thanks.
>
> 73,
>
> Ken, W8EK
>
> Ken Simpson
> E-mail to W8EK@... or W8EK@...
> Voice Phone (352) 732-8400
>
>

[Non-text portions of this message have been removed]

20126. Using the Butternut STR-II stub tuned raidial system on a Hy-Gain 18AVT/WB-A

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-12 12:27:56 UTC
From: Military1
Topic: 20126 Message: 20126

This antenna is roof mounted about 25' up (two stories above ground). Current radial system was five wire rotor cable, four sets (2 wires on 40, 1 each on 20, 15, and 10M in each set). Need to replace radial system due to age. Would like to do so with minimum wires (local family restriction). Found a write up on a clone of a Butternut STR-II system in another forum.
http://www.eham.net/ehamforum/smf/index.php/topic,59947.0.html Can I use this lay out with satisfactory results or can I take the recommended Hy-Gain radial dimensions (37" for 40M, 18' 7.5" for 20M, 11' 10.5" for 15M and 9' 10" for 10M) and some how come up with a stub tuned elevated radial set for the Hy-Gain using twin lead 300 ohm wire. My goal like the STR-II would be a total of four radials. Is the 300 ohm key or would some other open wire work better, I.E. ladder wire. Thanks for any comments and advice.

20127. Re: Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-12 17:05:23 UTC
From: fred
Topic: 20121 Message: 20127

The insulated wire will work fine . my 75/80 metre runs through and touches a limb . just remember that the insulation will make the antenna seem electrically longer so you may have to shorten the ends a little more than the calculations show . I had to do that with all 3 dipoles .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> Thanks for the response Rich:
>
> Let me clarify a bit. I would not have considered but picked up a bunch of uv dacron 1/4 inch under 10 cents a foot. Now i can look at what at what i would not have considered before, now no longer a matter of having to string it a long way, and also clarify I DO want to operate during a heavy rain and assume all conditions. If I add to a free and clear 40 meter dipole, maybe that is not good. Appreciate however as I look for opinions of running single or multi dipole with trees and limbs in the way but using insulated antenna wire, along with bare copper in the free and clear areas.
> > --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@> wrote:
> > > Just a quick note about rope length , I don't consider 100 or 150ft of rope
> > > long, it all depends where you tree or support is. I have a 135ft doublet
> > > and one end has no tree so it is run out about with 150ft of rope and makes
> > > sort of a half inverted V on one end, the other side runs out to a 2x4 up on
> > > the top of the barn so I guess it is verted. Going thru a tree should be no
> > > problem on 74 & 40 HF unless you operate during a heavy rain.
> > >
> > > Rich , Kd0zz
> > >
> > >
> > >
> > > From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> > > Behalf Of pchapman920
> > > Sent: Tuesday, October 11, 2011 6:46 PM
> > > To: ham-antennas@yahoogroups.com
> > > Subject: [ham-antennas] Another question on insulated copper for wire
> > > antenna
> > >
> > >
> > >
> > >
> > >
> > > Trying to spot a new antenna or adding a leg maybe for 75 on an existing 40
> > > dipole. Either way, for 75, I will have to go literally through a tree or

> > two and would have to most likely rub branches or leaves. I have no doubt
> > you folks would give a thumbs down on bare copper for this one, but what
> > would be your opinions of using stranded insulated, assuming I am very
> > careful of sealing the cut ends etc. I bought some odd lots of dacron rope
> > dirt cheap and would not have considered before now as the rope span would
> > be quite long, but would have a tree that about 10 feet of one leg would
> > have to pass through, and it will touch.
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

20128. Re: Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 02:59:19 UTC
From: pchapman920
Topic: 20121 Message: 20128

Thank you mucho Andrew. The voice of experience is always appreciated. I remember the elongation of the copper with insulation during my more "not very bright, but lucky days" of ham radio I had boxes of insulated number 10 at my disposal and was frustrated with crap rope that rotted back in the 60's, so I not only built a multiple band dipole with insulated #10, I used it for rope as well. Worked great, but looking back, I really do no think it was very smart to attach a lighting rod to my antenna on the other side of the insulator and tie it to a tree....dumb but got away with it...copper was cheap once upon a time before the EPA and China.

Copper tubing for plumbing is now almost 500% of what it was a bit over ten years ago, stranded plated bare copper wire about 300% over seven years ago.....insane....thank you government regulation!!!

Will go that route as there is a November Stone Mountain coming up with Wireman and will buy a few hundred feet of insulated strand, just for future proofing.

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> The insulated wire will work fine . my 75/80 metre runs through and touches a limb . just remember that the insulation will make the antenna seem electrically longer so you may have to shorten the ends a little more than the calculations show . I had to do that with all 3 dipoles .
> andrew
> kd5pnt

20129. Re: [ham-antennas] Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 06:16:44 UTC
From: Adrian Flynn
Topic: 20121 Message: 20129

I am ignorant about operating with trees in the equation never having lived where trees were available to tie to or to run the wire through, (Arizona 1952 to Mar 2011)
Question: IF you are using insulated wire how will the tree affect operation other than the water on the leaves de-tuning the antenna?
Is that all it will do or is there something else to look out for?
Hope you can set me straight on this.
73
Adrian KF7DYU
Lansing, Mi first time in tree land since 1952 and enjoying the COLORS again that I remember from childhood.

> other side runs out to a 2x4 up on
> the top of the barn so I guess it is verted. Going thru a tree should be no
> problem on 74 & 40 HF unless you operate during a heavy rain.
>
> Rich , Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of pchapman920
> Sent: Tuesday, October 11, 2011 6:46 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Another question on insulated copper for wire
> antenna
>
>
> Trying to spot a new antenna or adding a leg maybe for 75 on an existing 40
> dipole. Either way, for 75, I will have to go literally through a tree or
> two and would have to most likely rub branches or leaves. I have no doubt
> you folks would give a thumbs down on bare copper for this one, but what
> would be your opinions of using stranded insulated, assuming I am very
> careful of sealing the cut ends etc. I bought some odd lots of dacron rope
> dirt cheap and would not have considered before now as the rope span would
> be quite long, but would have a tree that about 10 feet of one leg would
> have to pass through, and it will touch.
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

20130. Re: [ham-antennas] Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 11:31:01 UTC
From: Tom-KE1JF
Topic: 20121 Message: 20130

Hi Rich.

I've lived in a tree full area and have used them for support my entire life. To install my Carolina Windom 160 I used a slingshot to shoot a line over the top of (2) 50' oak trees and pulled 1/8" black Dacron support line and pulled the antenna up. I use 12 ga. Insulated, Stranded Wire (from Lowes in 500' rolls) and the short leg is in the clear but the long leg goes 15 - 20 ft. over the tree and I see no real issues with my SWR even in the rain. I keep my power as low as needed but use up to 1kw. without problems. I leave a slight droop in the antenna for tree movement in the wind and for big storms I'll slack up the antenna with plenty of droop for the trees to blow around. My Carolina Windom's are both supported in the center by another line over another branch and I can lower the entire antenna to the ground when needed to work on it. I have friends who use bare wire and they tell me it also works fine but I never tried it since my insulated wire has worked so good.

73,
Tom, KE1JF

From: "Adrian Flynn" <ADRIANJAMESFLYNN@...>
Sent: Thursday, October 13, 2011 2:16 AM
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] Another question on insulated copper for wire antenna

> I am ignorant about operating with trees in the equation never having
> lived
> where trees were available to tie to or to run the wire through, (Arizona
> 1952 to Mar 2011)
> Question: IF you are using insulated wire how will the tree affect
> operation
> other than the water on the leaves de-tuning the antenna?
> Is that all it will do or is there something else to look out for?
> Hope you can set me straight on this.
> 73
> Adrian KF7DYU
> Lansing, Mi first time in tree land since 1952 and enjoying the COLORS
> again
> that I remember from childhood.
>
>
>
>> other side runs out to a 2x4 up on

>> the top of the barn so I guess it is verted. Going thru a tree should be
>> no
>> problem on 74 & 40 HF unless you operate during a heavy rain.
>>
>> Rich , Kd0zz
>>
>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> On
>> Behalf Of pchapman920
>> Sent: Tuesday, October 11, 2011 6:46 PM
>> To: ham-antennas@yahoogroups.com
>> Subject: [ham-antennas] Another question on insulated copper for wire
>> antenna
>>
>>
>> Trying to spot a new antenna or adding a leg maybe for 75 on an existing
>> 40
>> dipole. Either way, for 75, I will have to go literally through a tree or
>> two and would have to most likely rub branches or leaves. I have no doubt
>> you folks would give a thumbs down on bare copper for this one, but what
>> would be your opinions of using stranded insulated, assuming I am very
>> careful of sealing the cut ends etc. I bought some odd lots of dacron
>> rope
>> dirt cheap and would not have considered before now as the rope span
>> would
>> be quite long, but would have a tree that about 10 feet of one leg would
>> have to pass through, and it will touch.
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

>
>
>

20131. RE: [ham-antennas] Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 12:44:04 UTC
From: Richard Schmuke
Topic: 20121 Message: 20131

Very good information Tom but it was Adrian that had the question. Being from Missouri I have always been around trees. I use a fishing rod to put my first line thru the oak trees.

Now for Adrian’s question about de-tuning. As the frequency increases the antennas become more sensitive to trees. A 80M dipole will have very little reaction but a 2M beam will not work as well to a sap filled tree full of leaves as clear sky.

Now a question for Tom, as you loosing you black oaks. My whites are doing fine but my blacks and reds (still in the black family) are dying.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

Subject: Re: [ham-antennas] Another question on insulated copper for wire antenna

Hi Rich.

I've lived in a tree full area and have used them for support my entire life. To install my Carolina Windom 160 I used a slingshot to shoot a line over the top of (2) 50' oak trees and pulled 1/8" black Dacron support line and pulled the antenna up. I use 12 ga. Insulated, Stranded Wire (from Lowes in 500' rolls) and the short leg is in the clear but the long leg goes 15 - 20 ft. over the tree and I see no real issues with my SWR even in the rain. I keep my power as low as needed but use up to 1kw. without problems. I leave a slight droop in the antenna for tree movement in the wind and for big storms I'll slack up the antenna with plenty of droop for the trees to blow around. My Carolina Windom's are both supported in the center by another line over another branch and I can lower the entire antenna to the ground when needed to work on it. I have friends who use bare wire and they tell me it also works fine but I never tried it since my insulated wire has worked so good.

73,
Tom, KE1JF

From: "Adrian Flynn" <ADRIANJAMESFLYNN@... <mailto:ADRIANJAMESFLYNN%40GMAIL.COM> >
Sent: Thursday, October 13, 2011 2:16 AM
To: <ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> >
Subject: Re: [ham-antennas] Another question on insulated copper for wire antenna

> I am ignorant about operating with trees in the equation never having
> lived
> where trees were available to tie to or to run the wire through, (Arizona

> 1952 to Mar 2011)
> Question: IF you are using insulated wire how will the tree affect
> operation
> other than the water on the leaves de-tuning the antenna?
> Is that all it will do or is there something else to look out for?
> Hope you can set me straight on this.
> 73
> Adrian KF7DYU
> Lansing, Mi first time in tree land since 1952 and enjoying the COLORS
> again
> that I remember from childhood.
>
>
>
>> other side runs out to a 2x4 up on
>> the top of the barn so I guess it is verted. Going thru a tree should be
>> no
>> problem on 74 & 40 HF unless you operate during a heavy rain.
>>
>> Rich , Kd0zz
>>
>> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>]
>> On
>> Behalf Of pchapman920
>> Sent: Tuesday, October 11, 2011 6:46 PM
>> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>> Subject: [ham-antennas] Another question on insulated copper for wire
>> antenna
>>
>>
>> Trying to spot a new antenna or adding a leg maybe for 75 on an existing
>> 40
>> dipole. Either way, for 75, I will have to go literally through a tree or
>> two and would have to most likely rub branches or leaves. I have no doubt
>> you folks would give a thumbs down on bare copper for this one, but what
>> would be your opinions of using stranded insulated, assuming I am very
>> careful of sealing the cut ends etc. I bought some odd lots of dacron
>> rope
>> dirt cheap and would not have considered before now as the rope span
>> would
>> be quite long, but would have a tree that about 10 feet of one leg would
>> have to pass through, and it will touch.
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>

> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20132. Re: Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 15:01:41 UTC
From: AB2ZY
Topic: 20121 Message: 20132

Please note that the voltage at the ends of a dipole (specifically, 1/4 wl away from the feedpoint) will be high. High is a relative term, but a couple hundred volts would not be suprising from a 100W transmitter.

THHN insulated wire is rated for 600V. Running QRO would put a few thousand volts at the peak segments, and that *will* arc over to a tree.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Adrian Flynn <ADRIANJAMESFLYNN@...> wrote:
>
> I am ignorant about operating with trees in the equation never having lived
> where trees were available to tie to or to run the wire through, (Arizona
> 1952 to Mar 2011)
> Question: IF you are using insulated wire how will the tree affect operation
> other than the water on the leaves de-tuning the antenna?
> Is that all it will do or is there something else to look out for?
> Hope you can set me straight on this.
> 73
> Adrian KF7DYU
> Lansing, Mi first time in tree land since 1952 and enjoying the COLORS again
> that I remember from childhood.
>
>
>
> > other side runs out to a 2x4 up on
> > the top of the barn so I guess it is verted. Going thru a tree should be no
> > problem on 74 & 40 HF unless you operate during a heavy rain.
> >
> > Rich , Kd0zz
> >
> > From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > On
> > Behalf Of pchapman920
> > Sent: Tuesday, October 11, 2011 6:46 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] Another question on insulated copper for wire
> > antenna
> >
> >
> > Trying to spot a new antenna or adding a leg maybe for 75 on an existing 40
> > dipole. Either way, for 75, I will have to go literally through a tree or
> > two and would have to most likely rub branches or leaves. I have no doubt
> > you folks would give a thumbs down on bare copper for this one, but what
> > would be your opinions of using stranded insulated, assuming I am very

> > careful of sealing the cut ends etc. I bought some odd lots of dacron rope
> > dirt cheap and would not have considered before now as the rope span would
> > be quite long, but would have a tree that about 10 feet of one leg would
> > have to pass through, and it will touch.
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

20133. Re: Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 16:04:32 UTC
From: fred
Topic: 20121 Message: 20133

agree on the price of copper now . I had to replace the dipoles a few years ago and instead of the copper wire I got 1/16" galvanize lift cable and it's hardware . the 1/16 cable is 8 cents a foot here and the u bolts are not expensive either . I got the wire and all the hardware for under 15 dollars . 110 feet of cable. the only problem I have had with it is that I had to take it down once and clean the connections to the 450 ohm line . cleaned it and put some antiox grease on the connections and taped them , no more problems yet . as far as I am concerned it works as well as a copper dipole and has a major advantage , after it has been up awhile it turns a dull grey colour and is almost invisible . great if you are in an area with HOA's . the rope is not much better now unless you live near water where there is a marine supplier . then you can get the good double braid dacron rope . the rope from tractor supply will last about 1 year if I am lucky . how did you get # 10 to stay up ? as a retired electronic tech I had lots of # 12 THNN and made the 75/80 metre dipole from it and it is hard to keep it from sagging .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> Thank you mucho Andrew. The voice of experience is always appreciated. I remember the elongation of the copper with insulation during my more "not very bright, but lucky days" of ham radio I had boxes of insulated number 10 at my disposal and was frustrated with crap rope that rotted back in the 60's, so I not only built a multiple band dipole with insulated #10, I used it for rope as well. Worked great, but looking back, I really do no think it was very smart to attach a lighting rod to my antenna on the other side of the insulator and tie it to a tree....dumb but got away with it...copper was cheap once upon a time before the EPA and China.
>
> Copper tubing for plumbing is now almost 500% of what it was a bit over ten years ago, stranded plated bare copper wire about 300% over seven years ago.....insane....thank you government regulation!!!
>
> Will go that route as there is a November Stone Mountain coming up with Wireman and will buy a few hundred feet of insulated strand, just for future proofing.
>
> --- In ham-antennas@yahoogroups.com, "fred" <radiomanl@> wrote:
> >
> > The insulated wire will work fine . my 75/80 metre runs through and touches a limb . just remember that the insulation will make the antenna seem electrically longer so you may have to shorten the ends a little more than the calculations show . I had to do that with all 3 dipoles .
> > andrew
> > kd5pnt
>

20134. sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 20:16:24 UTC
From: john
Topic: 20134 Message: 20134

I don`t know if anyone else has ever done this but it worked great for me my first rope up in the tree had a pulley on it with the tie off rope for the dipole threaded through it I permanently attached the other end to the other tree and on the rope threaded through the pulley I hung a (dont laugh)small plastic pail full of small stones you will have to experiment on how much weight your dipole will require {drill some holes in the bottom for drainage) when the wind moves the trees the bucket moves up and down and the line stays snug but doe`s not get pulled apart I lost a couple antennas till I stumbled on this trick from an old Ham I know 73`s N1JTZ

20135. Re: [ham-antennas] sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 22:14:32 UTC
From: Bill Canepa
Topic: 20134 Message: 20135

I have a g5rv up 35 feet one end in a tree and the other end to my tower,the end at the tree has about 100 foot of rope so that i can get the latter line feed right at the window of my radio room so to have the feed line short .
Because of this i had sag in the middle. so i got a small tripod and a fiberglass pole on my roof ,the top of the pole is a whip and moves freely with the wind. so now
the latter line is completely vertical and no more sag. i have worked the world on this antenna at very little cost.
the wind blows hard here and this has been up for many years without any problems.

From: john <packratofct@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 13, 2011 4:16 PM
Subject: [ham-antennas] sagging dipoles

I don`t know if anyone else has ever done this but it worked great for me my first rope up in the tree had a pulley on it with the tie off rope for the dipole threaded through it I permanently attached the other end to the other tree and on the rope threaded through the pulley I hung a (dont laugh)small plastic pail full of small stones you will have to experiment on how much weight your dipole will require {drill some holes in the bottom for drainage) when the wind moves the trees the bucket moves up and down and the line stays snug but doe`s not get pulled apart I lost a couple antennas till I stumbled on this trick from an old Ham I know 73`s N1JTZ

[Non-text portions of this message have been removed]

20136. Re: Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 22:29:01 UTC
From: pchapman920
Topic: 20121 Message: 20136

Since I had trees in just the right places, I was able to use a cross pattern on the wire, so instead of two supports, I had four which eliminated most of the sag, leaving some on purpose for wind stress. Center support was a balun which even thirty years ago was only a few dollars more than a vanilla center support. Both bands were under 1.5 to 1 at most any point on the General Class band. (SOOOOO glad I finally got around to upgrading my license. Knocked it out in 2 weeks with the free Ham Academy drill software.)

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> agree on the price of copper now . I had to replace the dipoles a few years ago and instead of the copper wire I got 1/16" galvanize lift cable and it's hardware . the 1/16 cable is 8 cents a foot here and the u bolts are not expensive either . I got the wire and all the hardware for under 15 dollars . 110 feet of cable. the only problem I have had with it is that I had to take it down once and clean the connections to the 450 ohm line . cleaned it and put some antiox grease on the connections and taped them , no more problems yet . as far as I am concerned it works as well as a copper dipole and has a major advantage , after it has been up awhile it turns a dull grey colour and is almost invisible . great if you are in an area with HOA's . the rope is not much better now unless you live near water where there is a marine supplier . then you can get the good double braid dacron rope . the rope from tractor supply will last about 1 year if I am lucky . how did you get # 10 to stay up ? as a retired electronic tech I had lots of # 12 THNN and made the 75/80 metre dipole from it and it is hard to keep it from sagging .
> andrew
> kd5pnt

20137. Re: [ham-antennas] sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 22:50:40 UTC
From: Frank Kirschner
Topic: 20134 Message: 20137

My first long wire antenna was supported at one end by a rope that ran through a pulley and down to a cement block. That was in 1966. I currently have a 102-ft doublet that uses a pulley support. The counter weight is a tree branch. It swings a bit in the wind, but it blends in with the trees very well.

73,
Frank
KF6E

On Thu, Oct 13, 2011 at 4:16 PM, john <packratofct@...> wrote:

> **
>
>
> I don`t know if anyone else has ever done this but it worked great for me
> my first rope up in the tree had a pulley on it with the tie off rope for
> the dipole threaded through it I permanently attached the other end to the
> other tree and on the rope threaded through the pulley I hung a (dont laugh
>)small plastic pail full of small stones you will have to experiment on how
> much weight your dipole will require {drill some holes in the bottom for
> drainage) when the wind moves the trees the bucket moves up and down and
> the line stays snug but doe`s not get pulled apart I lost a couple antennas
> till I stumbled on this trick from an old Ham I know 73`s N1JTZ
>
> __.-,-.
>

[Non-text portions of this message have been removed]

20138. Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 22:59:02 UTC
From: pchapman920
Topic: 20134 Message: 20138

I have been sitting here laughing my butt off after reading this. I researched strain (wind relief) contraptions a while back.

Some that I saw were:

1. Garage door springs....pricey and they rust.

2. Bungees.....they rot

3. Shock absorbers....pretty dumb....they work in one direction only.

4. Nothing.....better than the above three.

5. A bucket of rocks.....sheer genius

6. A modified bucket of rocks....Fill it with Peat and lightweight potting soil and plant tomatoes in it.

Brilliant Idea, thanks for passing that along.

Paul, WA4NUN

--- In ham-antennas@yahoogroups.com, "john" <packratofct@...> wrote:
>
> I don`t know if anyone else has ever done this but it worked great for me my first rope up in the tree had a pulley on it with the tie off rope for the dipole threaded through it I permanently attached the other end to the other tree and on the rope threaded through the pulley I hung a (dont laugh)small plastic pail full of small stones you will have to experiment on how much weight your dipole will require {drill some holes in the bottom for drainage) when the wind moves the trees the bucket moves up and down and the line stays snug but doe`s not get pulled apart I lost a couple antennas till I stumbled on this trick from an old Ham I know 73`s N1JTZ
>

20139. Re: [ham-antennas] Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 23:04:17 UTC
From: Joe
Topic: 20134 Message: 20139

I must be using some sort of indestructo materials.

I have up about 40 feet a loop that is 600 feet long, made from
alunimum electric fence wire. insulators at the four corners, and ropes
that were shot with a bow and arrow over the top of the trees and then
pulled down to a low branch to tie off to.

no weights, no springs, no pulleys. nothing, it's been up for three
years now.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/13/2011 5:59 PM, pchapman920 wrote:
> I have been sitting here laughing my butt off after reading this. I researched strain (wind relief) contraptions a while back.
>
> Some that I saw were:
>
> 1. Garage door springs....pricey and they rust.
>
> 2. Bungees.....they rot
>
> 3. Shock absorbers....pretty dumb....they work in one direction only.
>
> 4. Nothing.....better than the above three.
>
> 5. A bucket of rocks.....sheer genius
>
> 6. A modified bucket of rocks....Fill it with Peat and lightweight potting soil and plant tomatoes in it.
>
> Brilliant Idea, thanks for passing that along.
>
> Paul, WA4NUN
>
> --- In ham-antennas@yahoogroups.com, "john"<packratofct@...> wrote:
>> I don`t know if anyone else has ever done this but it worked great for me my first rope up in the tree had a pulley on it with the tie off rope for the dipole threaded through it I permanently attached the other end to the other tree and on the rope threaded through the pulley I hung a (dont laugh)small plastic pail full of small stones you will have to experiment on how much weight your dipole will require {drill some holes in the bottom for

drainage) when the wind moves the trees the bucket moves up and down and the line stays snug but doe`s not get pulled apart I lost a couple antennas till I stumbled on this trick from an old Ham I know 73`s N1JTZ
>>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20140. Re: [ham-antennas] Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 23:07:59 UTC
From: dhunter@islandregister.com
Topic: 20134 Message: 20140

Another Modified Version:

After years of trying to answert my XYL's complaints about there being nothing for her to do
in Ham Radio, I had a brainstorm. Involve her by using her as the counterweight:-)

Dave, VY2AC

On 13 Oct 2011 at 22:59, pchapman920 wrote:

>
>
> I have been sitting here laughing my butt off after reading this. I researched strain (wind relief)
> contraptions a while back.
>
> Some that I saw were:
>
> 1. Garage door springs....pricey and they rust.
>
> 2. Bungees.....they rot
>
> 3. Shock absorbers....pretty dumb....they work in one direction only.
>
> 4. Nothing.....better than the above three.
>
> 5. A bucket of rocks.....sheer genius
>
> 6. A modified bucket of rocks....Fill it with Peat and lightweight potting soil and plant tomatoes in it.
>
> Brilliant Idea, thanks for passing that along.
>
> Paul, WA4NUN
>
> --- In ham-antennas@yahoogroups.com, "john" <packratofct@...> wrote:
> >
> > I don`t know if anyone else has ever done this but it worked great for me my first rope up in the
> tree had a pulley on it with the tie off rope for the dipole threaded through it I permanently attached
> the other end to the other tree and on the rope threaded through the pulley I hung a (dont laugh
>)small plastic pail full of small stones you will have to experiment on how much weight your dipole
> will require {drill some holes in the bottom for drainage) when the wind moves the trees

the
> bucket moves up and down and the line stays snug but doe`s not get pulled apart I lost a couple
> antennas till I stumbled on this trick from an old Ham I know 73`s N1JTZ
> >
>
>
>

20141. Re: [ham-antennas] Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 23:11:58 UTC
From: Ron Youvan
Topic: 20134 Message: 20141

Joe WB9SBD wrote:

> I must be using some sort of indestructo materials.

> I have up about 40 feet a loop that is 600 feet long, made from
> aluminum electric fence wire. insulators at the four corners, and ropes
> that were shot with a bow and arrow over the top of the trees and then
> pulled down to a low branch to tie off to.

> no weights, no springs, no pulleys. nothing, it's been up for three
> years now.

What kind of rope? Nylon?
Many ropes are like bungee cords in this application. (especially long ones)
If you don't keep the antenna tight and you allow the wind to blow it about, it's tuning can be
changed by it's position.

If the antenna is kept tight without some kind of "rubber" strong winds will break something.
I have always used a pulley and a half or whole concrete block. I use and recommend Dacron cordage.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20142. Re: [ham-antennas] Another question on insulated copper for wire antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 23:26:12 UTC
From: roger.h@comcast.net
Topic: 20121 Message: 20142

Using wire for 41 yrs as ham. Some ant better than others. I run it where I have to. Does the tree or folige interfere with ur signal. It does a little. I don't pay attention to that. I am a firm beliver in hearing the other station so you can work him or her. If no wire you can't hear him to well. Hi Hi. I try to always use insulated stranded wire of the right AWG (guage). My personal rule is I don 't like Tuners, but I use them if I have to. I try to get the ant as resonate as I can. This brings your reactance to zero and no Standing Wave, (SWR) This not always possible. Just make the ant resonate and cut your losses. A tuner causes losses but in turn fools the back of the rig into believing the ant is perfect at 50 ohm impedance.But in reality from the back of the radio dow n the coax to to ant including the wire ant has probably 3:1 or worst SWR. There a many hams who have a ATU in their radio and another Auto tuner they bought to help. I say keep it simple. Get the most out of your ant, build it right and put up right and use forever. I use Cable TV hardline to 2 of my towers for the triband and 40 meter beams. They give it away. I make my own connectors from copper pipe and screw clamps. It works great and very low loss.

I use 450 ohm and 300 ohm flat ladder for lower loss as one of my towers is 227 feet from the shack. I have a Ameritron RVS-4 remote coax switch about 100 feet from shack to tower and pick up another 3 wire antennas. I'm on disibility as had a Heart Transplant but I manage. I can scrounge with the best of them. Their is so much info on the internet esp on antennas. Just practical info. Save mon ey like me. I also want to say this without offending anyone on here. Be careful on the advice you give to other hams. I have read some threads on here recently where some of the answers or advice was not even correct. I only joined about a month. Just be careful. I have taken 6 good lightning surges from close by hits and they eat m y station up like eaten dollar bills. I've learned my lessons well. When I shut the station down at night or any tim e I disconnect power from wall, disconnect router from Cable Internet, disconnect all coax and I remove the station ground from all equipment. Yes, I float my station. I'll get hatemail on that last disconnect. Hi Hi. Yes I said it. I'm tired of replaceing damaged equipment in my station. You do what you please. Anyway I can take. I love everybody esp the women hams. Thanks Roger, 73, W4IV, ARRL Cert, Instr, VE and VE liason

----- Original Message -----

From: "Adrian Flynn" <ADRIANJAMESFLYNN@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 13, 2011 1:16:44 AM
Subject: Re: [ham-antennas] Another question on insulated copper for wire antenna

I am ignorant about operating with trees in the equation never having lived
where trees were available to tie to or to run the wire through, (Arizona
1952 to Mar 2011)
Question: IF you are using insulated wire how will the tree affect operation
other than the water on the leaves de-tuning the antenna?
Is that all it will do or is there something else to look out for?
Hope you can set me straight on this.

73
Adrian KF7DYU
Lansing, Mi first time in tree land since 1952 and enjoying the COLORS again
that I remember from childhood.

> other side runs out to a 2x4 up on
> the top of the barn so I guess it is verted. Going thru a tree should be no
> problem on 74 & 40 HF unless you operate during a heavy rain.
>
> Rich , Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of pchapman920
> Sent: Tuesday, October 11, 2011 6:46 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Another question on insulated copper for wire
> antenna
>
>
> Trying to spot a new antenna or adding a leg maybe for 75 on an existing 40
> dipole. Either way, for 75, I will have to go literally through a tree or
> two and would have to most likely rub branches or leaves. I have no doubt
> you folks would give a thumbs down on bare copper for this one, but what
> would be your opinions of using stranded insulated, assuming I am very
> careful of sealing the cut ends etc. I bought some odd lots of dacron rope
> dirt cheap and would not have considered before now as the rope span would
> be quite long, but would have a tree that about 10 feet of one leg would
> have to pass through, and it will touch.
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20143. Help with sick mosley ta-33

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 23:30:32 UTC
From: anthony
Topic: 20143 Message: 20143

Im having a problem on 20 meters only with this antenna. When i run 100 watts my swr is around 1.3:1 on 20 meters with no problems. However when i fire the al-80b up and run power (800 watts) i tune it through my palstar 1500cv down to 1.1:1 but out of nowhere it jumps up to like 8.1 or higher. Im thinking one of the 20 meter traps is screwy. Im not even sure if this antenna has 20 meter traps. Any help or suggestions would be apreciated. thanks guys.

tony k2vi

20144. 2 element VDA

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 23:32:21 UTC
From: Joe
Topic: 20144 Message: 20144

In the T32C Dx Expedition they list antennas like this is for 15 meters,

15m: 4-element Force 12 Yagi at 40ft, 2-element VDA

what is a 2 element VDA

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

20145. Re: [ham-antennas] Help with sick mosley ta-33

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 23:36:56 UTC
From: Joe
Topic: 20143 Message: 20145

The traps on that antenna act as loading coils for 20 meters thats why
the elements are not full sized.

What does it do without the tuner? I never ever used a tuner on my TA-33..

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/13/2011 6:30 PM, anthony wrote:
> Im having a problem on 20 meters only with this antenna. When i run 100 watts my swr is around 1.3:1 on 20 meters with no problems. However when i fire the al-80b up and run power (800 watts) i tune it through my palstar 1500cv down to 1.1:1 but out of nowhere it jumps up to like 8.1 or higher. Im thinking one of the 20 meter traps is screwy. Im not even sure if this antenna has 20 meter traps. Any help or suggestions would be apreciated. thanks guys.
>
> tony k2vi
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20146. Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-13 23:41:17 UTC
From: pchapman920
Topic: 20134 Message: 20146

I want this guy to help me hang the next antenna. Not bragging, but I am really good with a slingshot, but no match for this guy.

http://www.youtube.com/watch?v=9ieWrWLjii0

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Joe WB9SBD wrote:
>
> > I must be using some sort of indestructo materials.
>
> > I have up about 40 feet a loop that is 600 feet long, made from
> > aluminum electric fence wire. insulators at the four corners, and ropes
> > that were shot with a bow and arrow over the top of the trees and then
> > pulled down to a low branch to tie off to.
>
> > no weights, no springs, no pulleys. nothing, it's been up for three
> > years now.
>

>

20147. Re: [ham-antennas] 2 element VDA

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-14 12:53:24 UTC
From: Andy
Topic: 20144 Message: 20147

> what is a 2 element VDA

Vertical Dipole Array, maybe??

20148. Re: [ham-antennas] 2 element VDA

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-14 14:03:06 UTC
From: Joe
Topic: 20144 Message: 20148

hats what i was thinking, but not sure, was looking for confirmation.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/14/2011 7:53 AM, Andy wrote:
>> what is a 2 element VDA
> Vertical Dipole Array, maybe??
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20149. Re: [ham-antennas] Help with sick Mosley ta-33

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-14 14:51:56 UTC
From: Ron Youvan
Topic: 20143 Message: 20149

Anthony K2VI wrote:

> I'm having a problem on 20 meters only with this antenna. When I run 100 watts my swr is around 1.3:1
> on 20 meters with no problems. However when I fire the al-80b up and run power (800 watts) I tune it
> through my Palstar 1500cv down to 1.1:1 but out of nowhere it jumps up to like 8.1 or higher. I'm
> thinking one of the 20 meter traps is screwy. I'm not even sure if this antenna has 20 meter traps.
> Any help or suggestions would be appreciated. thanks guys.

One thing that comes to mind is that any balun or other device with ferrites may only be rated
for ~200 Watts and is being saturated by such higher power.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20150. Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-15 00:31:33 UTC
From: dcb6759
Topic: 20134 Message: 20150

That would work as long as she's "NOT" too heavy of an anchor..

Dennis, N6OTH

--- In ham-antennas@yahoogroups.com, dhunter@... wrote:
>
> Another Modified Version:
>
> After years of trying to answert my XYL's complaints about there being nothing for her to do
> in Ham Radio, I had a brainstorm. Involve her by using her as the counterweight:-)
>
> Dave, VY2AC
>
> On 13 Oct 2011 at 22:59, pchapman920 wrote:
>
> > >
> > >
> > > I have been sitting here laughing my butt off after reading this. I researched strain (wind relief)
> > > contraptions a while back.
> > >
> > > Some that I saw were:
> > >
> > > 1. Garage door springs....pricey and they rust.
> > >
> > > 2. Bungees.....they rot
> > >
> > > 3. Shock absorbers....pretty dumb....they work in one direction only.
> > >
> > > 4. Nothing.....better than the above three.
> > >
> > > 5. A bucket of rocks.....sheer genius
> > >
> > > 6. A modified bucket of rocks....Fill it with Peat and lightweight potting soil and plant tomatoes in it.
> > >
> > > Brilliant Idea, thanks for passing that along.
> > >
> > > Paul, WA4NUN
> > >
> > > --- In ham-antennas@yahoogroups.com, "john" <packratofct@> wrote:
> > > >
> > > > I don`t know if anyone else has ever done this but it worked great for me my first rope up in the

> > tree had a pulley on it with the tie off rope for the dipole threaded through it I permanently attached
> > the other end to the other tree and on the rope threaded through the pulley I hung a (dont laugh
> >)small plastic pail full of small stones you will have to experiment on how much weight your dipole
> > will require {drill some holes in the bottom for drainage) when the wind moves the trees the
> > bucket moves up and down and the line stays snug but doe`s not get pulled apart I lost a couple
> > antennas till I stumbled on this trick from an old Ham I know 73`s N1JTZ
> > >
> >
> >
> >
>

20151. Re: TGM COMM. MQ-26SR HYBRID QUAD mini beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-15 02:46:58 UTC
From: martin
Topic: 4699 Message: 20151

I have had my 26sr up for five years and this is its second home now, it works very well, the back up from tgm is very good if needed, this little antenna never fails me and as a rule if i can here a station i can usually work them with good reports.
g7jwr

--- In ham-antennas@yahoogroups.com, "ke4nu_7" <ke4nu7@...> wrote:
>
> Hello, I've ran the TGM 20-6 meter hybrid quad for several years. For
> the most part I've been pleased with it. It does have gain, light and
> small wind load, only needs a light duty rotor. On the negative side,
> narrow bandwidth. It has survived the winds of western montana, so its
> pretty hardy. I'm in the process of replacing it with a broadband
> hexbeam (homemade). If you go with the TGM I think you'll be happy
> with it, I know I was but now I want something with more gain...73, Alan
> >
> >
>

20152. Re: [ham-antennas] sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-15 03:28:30 UTC
From: chas
Topic: 20134 Message: 20152

On 10/13/11 5:14 PM, Bill Canepa wrote:
> so i got a small tripod and a fiberglass pole on my roof ,the top of the
> pole is a whip and moves freely with the wind.? so now the? latter? line
> is completely vertical and no more sag. i have worked the world on this
> antenna at very little cost.

up until the above, I was thinking that the tripod/mast was going to support the weight of the Centerpoint, lifting it to a horizontal line, parallel to the ground. then he said "flexible whip" ????? wt??? how does the flexible whip interface with the sagging dipole/centerpoint/ladder line feed point????

very confused...

Chas k5dam

--
A: Because it messes up the order in which people normally read text. <B>
Q: Why is top-posting such a bad thing?<B>
A: Top-posting. <b>
Q: What is the most annoying thing in e-mail? <B>

.

20153. Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-15 09:13:26 UTC
From: Dave Hunter
Topic: 20153 Message: 20153

Hi Folks:

In order to get your rope around your wife's neck, to counterbalance a sagging dipole, you need to get the end of the dipole up in the tree in the first place.

Some use bows and arrows, some use slingshots - years ago, when we were contesting we relied on a fellow who was a pretty good shot with a Bow and Arrow.

But THERE IS A BETTER WAY! It is called a CABLECASTER. It is dart shooting gun by Greenlee (remember the punches?)

It is a gun designed to shoot darts with monofilament line tied to them in order to shoot line over a tree.

See:
http://www.youtube.com/watch?v=ElOD62_NgOc

And:
http://cableorganizer.com/greenlee/cablecaster/

Another version with up to 150 foot range - Laserline Pull String Shooter:

http://www.youtube.com/watch?v=dyU-5fh1BVw&feature=related

And:
http://cableorganizer.com/laserline/

Ahhh, progress!

Dave
From:

The Telephone on Prince Edward Island:
http://www.islandregister.com/phones/phones.html

The Telephone Museum of Prince Edward Island:
http://www.islandregister.com/phones/museum.html
Free Admission - Call (902) 651-2762 to arrange a visit!

20154. Re: [ham-antennas] sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-15 10:08:33 UTC
From: Bill Canepa
Topic: 20134 Message: 20154

Well i used a poor choice of words the whip is not part of the antenna , it is the top part of the fiberglass pole and is very flexable but stiff enought to hold up the centerpoint at the feedline.

From: chas <chasm@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, October 14, 2011 11:28 PM
Subject: Re: [ham-antennas] sagging dipoles

On 10/13/11 5:14 PM, Bill Canepa wrote:
> so i got a small tripod and a fiberglass pole on my roof ,the top of the
> pole is a whip and moves freely with the wind.Â so now theÂ latterÂ line
> is completely vertical and no more sag. i have worked the world on this
> antenna at very little cost.

up until the above, I was thinking that the tripod/mast was going to support the weight of the Centerpoint, lifting it to a horizontal line, parallel to the ground. then he said "flexible whip" ????? wt??? how does the flexible whip interface with the sagging dipole/centerpoint/ladder line feed point????

very confused...

Chas k5dam

--
A: Because it messes up the order in which people normally read text. <B>
Q: Why is top-posting such a bad thing?<B>
A: Top-posting. <b>
Q: What is the most annoying thing in e-mail? <B>

.

[Non-text portions of this message have been removed]

20155. Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-15 14:21:25 UTC
From: fred
Topic: 20134 Message: 20155

suspect that a garage door spring would be too strong as well as too heavy . a screen door closing spring would work but unless one lives in a desert climate it will quickly rust . tried that .
kd5pnt

--- In ham-antennas@yahoogroups.com, "dcb6759" <dcb6759@...> wrote:
>
> That would work as long as she's "NOT" too heavy of an anchor..
>
> Dennis, N6OTH
>
> --- In ham-antennas@yahoogroups.com, dhunter@ wrote:
> >
> > Another Modified Version:
> >
> > After years of trying to answert my XYL's complaints about there being nothing for her to do
> > in Ham Radio, I had a brainstorm. Involve her by using her as the counterweight:-)
> >
> > Dave, VY2AC
> >
> > On 13 Oct 2011 at 22:59, pchapman920 wrote:
> >
> > >
> > >
> > > I have been sitting here laughing my butt off after reading this. I researched strain (wind relief)
> > > contraptions a while back.
> > >
> > > Some that I saw were:
> > >
> > > 1. Garage door springs....pricey and they rust.
> > >
> > > 2. Bungees.....they rot
> > >
> > > 3. Shock absorbers....pretty dumb....they work in one direction only.
> > >
> > > 4. Nothing.....better than the above three.
> > >
> > > 5. A bucket of rocks.....sheer genius
> > >
> > > 6. A modified bucket of rocks....Fill it with Peat and lightweight potting soil and plant tomatoes in it.
> > >
> > > Brilliant Idea, thanks for passing that along.

> > >
> > > Paul, WA4NUN
> > >
> > > --- In ham-antennas@yahoogroups.com, "john" <packratofct@> wrote:
> > > >
> > > > I don`t know if anyone else has ever done this but it worked great for me my first rope up in the
> > > tree had a pulley on it with the tie off rope for the dipole threaded through it I permanently attached
> > > the other end to the other tree and on the rope threaded through the pulley I hung a (dont laugh
> > >)small plastic pail full of small stones you will have to experiment on how much weight your dipole
> > > will require {drill some holes in the bottom for drainage) when the wind moves the trees the
> > > bucket moves up and down and the line stays snug but doe`s not get pulled apart I lost a couple
> > > antennas till I stumbled on this trick from an old Ham I know 73`s N1JTZ
> > > >
> > >
> > >
> > >
> >
>

20156. AW: [ham-antennas] Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-15 22:21:25 UTC
From: Siegfried Jackstien
Topic: 20153 Message: 20156

http://www.antennalaunchers.com/antlaunching.html
homebrewed line laucher
greetz
sigi
dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dave Hunter
> Gesendet: Samstag, 15. Oktober 2011 09:13
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Sagging Dipoles, er Slingshot
>
>
>
> Hi Folks:
>
> In order to get your rope around your wife's neck, to
> counterbalance a sagging dipole, you need to get the end of
> the dipole up in the tree in the first place.
>
> Some use bows and arrows, some use slingshots - years ago,
> when we were contesting we relied on a fellow who was a
> pretty good shot with a Bow and Arrow.
>
> But THERE IS A BETTER WAY! It is called a CABLECASTER. It
> is dart shooting gun by Greenlee (remember the punches?)
>
> It is a gun designed to shoot darts with monofilament line
> tied to them in order to shoot line over a tree.
>
> See:
> http://www.youtube.com/watch?v=ElOD62_NgOc
>
> And:
> http://cableorganizer.com/greenlee/cablecaster/
>
> Another version with up to 150 foot range - Laserline Pull
> String Shooter:
>
> http://www.youtube.com/watch?v=dyU-5fh1BVw&feature=related
>
> And:
> http://cableorganizer.com/laserline/
>

> Ahhh, progress!
>
> Dave
> From:
>
> The Telephone on Prince Edward Island:
> http://www.islandregister.com/phones/phones.html
>
> The Telephone Museum of Prince Edward Island:
> http://www.islandregister.com/phones/museum.html
> Free Admission - Call (902) 651-2762 to arrange a visit!
>
>
>
>

20157. Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 00:24:13 UTC
From: hitekgearhead
Topic: 20153 Message: 20157

A slingshot, a zebco, a couple zip ties, and a 1oz fishing sinker will only set you back $25

The cablecaster and laserline basically only look like more expensive ways of doing the same thing.

> But THERE IS A BETTER WAY! It is called a CABLECASTER. It
> is dart shooting gun by Greenlee (remember the punches?)
>

> Another version with up to 150 foot range - Laserline Pull
> String Shooter:
>
>

20158. RF InShack with 160m loop fed with ladderline need help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 01:15:45 UTC
From: Don
Topic: 20158 Message: 20158

I have built a 160m loop and am feeding it with ladder line.

The ladder line comes in directly thru the window and is connected to my MFJ 962d tuner balanced line. I can tune the antenna with no significant issues at all for SWR.

The rest of the set up is a K3 to an SGC powercube. Power is provided by batteries.

The problem that I am having is I am getting a significant amount of RF problems with a highly distorted TX when I use the loop.

Now there is another thing that needs to be stated about the installation. The loop runs around the house so that the shack is basically in the center of the circle. Also I have a dipole that is close to the loop as well. So I don't know if the RF is coming in thru the dipole. Note if I TX with the dipole there is still RF on my signal but highly reduced. If I disconnect the ladder line from the tuner the RF goes away. (Maybe a tuner problem???)

Right now to be able to use the radio at all I had to remove the ladder line from the shack and I have coiled it up outside at the feed point.

So can this installation be salvaged, as I am thinking my number 1 problem is that I am in the center of the loop. Second I am starting to think from reading on the internet that ladder line should not be run in the shack as any RF can not be choked. Thus I should be using a 1:1 current balun outside of the shack and then run coax between the tuner and balun and I would suspect put some ferrites on the coax.

Anyone who can provide help in figuring out this problem that I am having your feedback will be appreciated.

Thanks
Don
KD8NNU

20159. Re: [ham-antennas] Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 03:01:08 UTC
From: Walt
Topic: 20153 Message: 20159

Well, after seeing some of the really great ideas and inventions, I proceeded to go on eBay and bid on two items no one seemed to be interested in. Just my luck, I was correct. I have a 50 lb. crossbow pistol with arrows and an el cheapo casting reel, for a grand total of $18.00 with shipping. Due to health issues I have not given the combo that I put together a test run yet (cellulitis in my leg). But I can't see why this will not work. My only question now is how far will it shoot a line. But I am hopeful!

Walt

From: hitekgearhead
Sent: Saturday, October 15, 2011 8:24 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Sagging Dipoles, er Slingshot

A slingshot, a zebco, a couple zip ties, and a 1oz fishing sinker will only set you back $25

The cablecaster and laserline basically only look like more expensive ways of doing the same thing.

> But THERE IS A BETTER WAY! It is called a CABLECASTER. It
> is dart shooting gun by Greenlee (remember the punches?)
>

> Another version with up to 150 foot range - Laserline Pull
> String Shooter:
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2090/4553 - Release Date: 10/15/11

[Non-text portions of this message have been removed]

20160. Re: [ham-antennas] RF InShack with 160m loop fed with ladderline need help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 11:52:40 UTC
From: Jon Ermels
Topic: 20158 Message: 20160

It sounds to me like you need to work on the grounding, especially the tuner needs the largest strap you can find with the shortest length you can run to the most and deepest ground rods you can get in.

73 de NØIGU
Jon

>_____
>From: Don <goldtr8@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, October 15, 2011 8:15 PM
>Subject: [ham-antennas] RF InShack with 160m loop fed with ladderline need help
>
> I have built a 160m loop and am feeding it with ladder line.
>
>The ladder line comes in directly thru the window and is connected to my MFJ 962d tuner balanced line. I can tune the antenna with no significant issues at all for SWR.
>
>The rest of the set up is a K3 to an SGC powercube. Power is provided by batteries.
>
>The problem that I am having is I am getting a significant amount of RF problems with a highly distorted TX when I use the loop.
>
>Now there is another thing that needs to be stated about the installation. The loop runs around the house so that the shack is basically in the center of the circle. Also I have a dipole that is close to the loop as well. So I don't know if the RF is coming in thru the dipole. Note if I TX with the dipole there is still RF on my signal but highly reduced. If I disconnect the ladder line from the tuner the RF goes away. (Maybe a tuner problem???)
>
>Right now to be able to use the radio at all I had to remove the ladder line from the shack and I have coiled it up outside at the feed point.
>
>So can this installation be salvaged, as I am thinking my number 1 problem is that I am in the center of the loop. Second I am starting to think from reading on the internet that ladder line should not be run in the shack as any RF can not be choked. Thus I should be using a 1:1 current balun outside of the shack and then run coax between the tuner and balun and I would suspect put some ferrites on the coax.
>
>Anyone who can provide help in figuring out this problem that I am having your feedback will be appreciated.
>
>Thanks
>Don

>KD8NNU
>
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20161. Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 12:04:21 UTC
From: ve9xyz
Topic: 20134 Message: 20161

A bungee cord, or 2 in series, or 2 in parallel also can do this well depending if you want strength or lots of slack movement. In my QTH we have trees but heavy winds so sometimes I create a "fuse" - I pull the pulleys to get the diopole tighta nd then connect one end rope via a short thin wire (i.e. smaller than the antenna wire) so if there's too much strain, that link will releases before the dipole will, and introduces 3' of slack. Seems to work well.

Kevin VE9-XYZ

--- In ham-antennas@yahoogroups.com, "john" <packratofct@...> wrote:
>
> I don`t know if anyone else has ever done this but it worked great for me my first rope up in the tree had a pulley on it with the tie off rope for the dipole threaded through it I permanently attached the other end to the other tree and on the rope threaded through the pulley I hung a (dont laugh)small plastic pail full of small stones you will have to experiment on how much weight your dipole will require {drill some holes in the bottom for drainage) when the wind moves the trees the bucket moves up and down and the line stays snug but doe`s not get pulled apart I lost a couple antennas till I stumbled on this trick from an old Ham I know 73`s N1JTZ
>

20162. Re: [ham-antennas] Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 12:09:20 UTC
From: Jon Ermels
Topic: 20153 Message: 20162

I've never understood the problem. I have always used one of my fishing rods. If you aren't a fisherman just get a $10 kids set and use an old spark plug.

73 de NØIGU
Jon

>_____
>From: Walt <WWILSON@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, October 15, 2011 10:01 PM
>Subject: Re: [ham-antennas] Re: Sagging Dipoles, er Slingshot
>
>Well, after seeing some of the really great ideas and inventions, I proceeded to go on eBay and bid on two items no one seemed to be interested in. Just my luck, I was correct. I have a 50 lb. crossbow pistol with arrows and an el cheapo casting reel, for a grand total of $18.00 with shipping. Due to health issues I have not given the combo that I put together a test run yet (cellulitis in my leg). But I can’t see why this will not work. My only question now is how far will it shoot a line. But I am hopeful!
>
>Walt
>
>From: hitekgearhead
>Sent: Saturday, October 15, 2011 8:24 PM
>To: ham-antennas@yahoogroups.com
>Subject: [ham-antennas] Re: Sagging Dipoles, er Slingshot
>
>
>A slingshot, a zebco, a couple zip ties, and a 1oz fishing sinker will only set you back $25
>
>The cablecaster and laserline basically only look like more expensive ways of doing the same thing.
>
>> But THERE IS A BETTER WAY! It is called a CABLECASTER. It
>> is dart shooting gun by Greenlee (remember the punches?)
>>
>
>> Another version with up to 150 foot range - Laserline Pull
>> String Shooter:
>>
>>
>
>
>
>

>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 2012.0.1831 / Virus Database: 2090/4553 - Release Date: 10/15/11
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20163. 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 12:09:48 UTC
From: ke1jf
Topic: 20163 Message: 20163

I helped a friend put up his 40 meter loop and he has a 4:1 balun in the center at the top and it is working great for him with low noise. Would it affect it's performance if I put one up with the balun at one of the bottom corners ? It would be easier to maintain and would require a shorter coax run. Just wondering what effect moving the balun would have, my main interest is for DXing.

Tnx in Advance !!
73,
Tom, KE1JF

20164. Re: [ham-antennas] Hygain Rotator.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 13:48:16 UTC
From: doug pfaff
Topic: 19122 Message: 20164

Hi

Check the bolts that secure the beam to the mast, and mast and rotator clamp assembly.

Turn rotator to north for 0 then swing beam to north re-tighten the bolts,with correct voltages at 0,180,and 360 I would not suspect the electronics,

Its the mechanical alignment of the physical beam and rotator also check the bolts on the rotator clamp, the bolts have likely loosened over the years .

Take up new clamps and bolts nuts etc to avoid too many trips up the tower

Doug VE5DCP
----- Original Message -----
From: Mick
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 07, 2011 3:25 PM
Subject: [ham-antennas] Hygain Rotator.

Hi Group,I have a Hygain HDR300AX which is not reading direction correctly.

When it reads 0 degrees the antenna is pointing north, as the antenna
is rotated the display reads correctly until 140 degrees and then jumps
to 574 degrees and from that point on the display does not change
although the antenna continues to turn ok.

My thoughts are that the 3 turn pot has gone faulty somehow,
although the voltage readings are correct as given in the handbook
for 0,180 and 360 degrees so i wonder if anyone has had any problems
with the controller or any similar symptoms with these rotators?

I would be grateful for any info,Thank you,Mick,MI0GRG.

[Non-text portions of this message have been removed]

20165. Re: [ham-antennas] Stealth Radio & TVI?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 13:57:05 UTC
From: doug pfaff
Topic: 18196 Message: 20165

Bob

We have seen this exact CATV issue due to poor maintenance by the cable operator where ham band vhf gets into a system,causes can be poor installation of connectors in customer premises and problems in the cable operators overhead distribution plant and leaky line amplifier boxes.shield breaches etc

watch out for newer BPLWtc(broadband over powerline etc)

A good reference is ARRL RF interference handbook also refer to the cable channel allocations in FCC the allocations also have a UHF component.

Also remember that the WRC every 4 years reviews worldwide assignments agreed to internationally for all radio and other services satellite etc

Doug VE5DCP

----- Original Message -----
From: Allan Bell
To: ham-antennas@yahoogroups.com
Sent: Monday, June 13, 2011 2:55 PM
Subject: Re: [ham-antennas] Stealth Radio & TVI?

Bob, That’s rather interesting as I’ve never heard of “anybody” having TVI issues after they’ve gotten cable be it analog or digital. I had issues in the past with TVI but they involved outdoor antennas but never with cable

Allan

From The Desk Of Allan Bell

From: Bob Macklin
Sent: Monday, June 13, 2011 1:19 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Stealth Radio & TVI?

I live in a retirement complex where there is no way to have an outdoor antenna. But at least I am on the 4th floor.

I have a decent 40M dipole 6" below the ceiling. It does a decent job of receiving on 40M and higher.

I have used it on 40M with my DX-60, both CW & AM.

Until about three years ago we had analog cable. But then Comcast switched us to digital.

The DX-60 only produce minor TVI on the analog cable. But digital cable is another problem.

The fundamental problem is RF overload. I have ferrite chokes to put on the cables but I have not done it yet. I hope to try them this week.

My question is: Has anyone had a similar digital cable TVI problem.

Bob Macklin
K5MYJ
Seattle, Wa.
"Real Radios Glow In The Dark"

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20166. Re: [ham-antennas] 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 14:28:04 UTC
From: Ron Youvan
Topic: 20163 Message: 20166

Tom KE1JF:

> I helped a friend put up his 40 meter loop and he has a 4:1 balun in the center at the top and it is
> working great for him with low noise. Would it affect it's performance if I put one up with the
> balun at one of the bottom corners ? It would be easier to maintain and would require a shorter coax
> run. Just wondering what effect moving the balun would have, my main interest is for DXing.

That depends on the size of the loop. The important thing is: where the high current is on the
loop, for a dipole the high current is surrounding the center of the dipole. (when feed on end or in
the center)
When the high current is at the highest part of the antenna your signal will be a bit better (at the
other end of the circuit) than if it is lower, one good reason to keep your doublet from sagging in
the center.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20167. Re: [ham-antennas] 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 14:40:13 UTC
From: doug pfaff
Topic: 20163 Message: 20167

Tom

Can you elabrate more where did the strange design come from using the 4:1 balun?

The design I had was out of the ARRL Antenna Compandium Handbook

I used the standard 1/4 matching coax method OF 75 OHM TV COAX and got 1.5 swr across the whole band.

The loop impedance is about 100 ohms so why was the 4:1 balun used, this would give a 25 ohm factor and still 2:1 for the transmitter where was the design found with the balun?

Doug VE5DCP

----- Original Message -----
From: ke1jf
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 16, 2011 6:09 AM
Subject: [ham-antennas] 40 Meter Loop Balun Placement

I helped a friend put up his 40 meter loop and he has a 4:1 balun in the center at the top and it is working great for him with low noise. Would it affect it's performance if I put one up with the balun at one of the bottom corners ? It would be easier to maintain and would require a shorter coax run. Just wondering what effect moving the balun would have, my main interest is for DXing.

Tnx in Advance !!
73,
Tom, KE1JF

[Non-text portions of this message have been removed]

20168. Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 14:40:23 UTC
From: bob6576775
Topic: 20134 Message: 20168

Screen door springs have worked fine for years in my Michigan climate. If rust becomes a problem, replace the spring.

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> suspect that a garage door spring would be too strong as well as too heavy . a screen door closing spring would work but unless one lives in a desert climate it will quickly rust . tried that .
> kd5pnt
>
> --- In ham-antennas@yahoogroups.com, "dcb6759" <dcb6759@> wrote:
> >
> > That would work as long as she's "NOT" too heavy of an anchor..
> >
> > Dennis, N6OTH
> >
> > --- In ham-antennas@yahoogroups.com, dhunter@ wrote:
> > >
> > > Another Modified Version:
> > >
> > > After years of trying to answert my XYL's complaints about there being nothing for her to do
> > > in Ham Radio, I had a brainstorm. Involve her by using her as the counterweight:-)
> > >
> > > Dave, VY2AC
> > >
> > > On 13 Oct 2011 at 22:59, pchapman920 wrote:
> > >
> > > >
> > > >
> > > > I have been sitting here laughing my butt off after reading this. I researched strain (wind relief)
> > > > contraptions a while back.
> > > >
> > > > Some that I saw were:
> > > >
> > > > 1. Garage door springs....pricey and they rust.
> > > >
> > > > 2. Bungees.....they rot
> > > >
> > > > 3. Shock absorbers....pretty dumb....they work in one direction only.
> > > >
> > > > 4. Nothing.....better than the above three.
> > > >
> > > > 5. A bucket of rocks.....sheer genius

> > > >
> > > > 6. A modified bucket of rocks....Fill it with Peat and lightweight potting soil and plant tomatoes in it.
> > > >
> > > > Brilliant Idea, thanks for passing that along.
> > > >
> > > > Paul, WA4NUN
> > > >
> > > > --- In ham-antennas@yahoogroups.com, "john" <packratofct@> wrote:
> > > > >
> > > > > I don`t know if anyone else has ever done this but it worked great for me my first rope up in the
> > > > > tree had a pulley on it with the tie off rope for the dipole threaded through it I permanently attached
> > > > > the other end to the other tree and on the rope threaded through the pulley I hung a (dont laugh
> > > > >)small plastic pail full of small stones you will have to experiment on how much weight your dipole
> > > > > will require {drill some holes in the bottom for drainage) when the wind moves the trees the
> > > > > bucket moves up and down and the line stays snug but doe`s not get pulled apart I lost a couple
> > > > > antennas till I stumbled on this trick from an old Ham I know 73`s N1JTZ
> > > > >
> > > >
> > > >
> > > >
> > >
> >
>

20169. Re: [ham-antennas] Re: sagging dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 14:57:18 UTC
From: chas
Topic: 20134 Message: 20169

On 10/16/11 9:40 AM, bob6576775 wrote:
> Screen door springs have worked fine for years in my Michigan climate. If
> rust becomes a problem, replace the spring.
>

axually, down here in rust belt South, we have learned to spray coat metal
which is not anodized with God's gift to the lawn furniture preservation
society... RUSTOLEUM in a can. wait a day and do a second thin coat from
the opposite end.

fwiw, 73 de chas k5dam

--
A: Because it messes up the order in which people normally read text. <B>
Q: Why is top-posting such a bad thing?<B>
A: Top-posting. <b>
Q: What is the most annoying thing in e-mail? <B>

.

20170. Drooping dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 15:02:02 UTC
From: Rodney Byam
Topic: 20170 Message: 20170

I generally go to a Farm store and get a substantial galv sprint fit it into a schedule 40 pvc tube with cap cutting a hole in the cap for the top of the spring and use that for a tension device when hooked to a tree allows for the wind sway

Rodney Byam

Navy-Marine Mars Radio Operations

nnn0ocg@...

N0GQM

[Non-text portions of this message have been removed]

20171. Re: [ham-antennas] 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 15:06:49 UTC
From: Jim Atkins
Topic: 20163 Message: 20171

If you're primarily interested in DX I feel feeding the vertical loop either on one of the vertical sides or at one of the corners will provide the vertical polarization needed for a lower angle of radiation. I am about to put up a similar antenna and I am hopeful it will perform well on all bands 40M and above when fed with open wire line and using a tuner.

If you are an ARRL member look up an article in their archives named Transmitting Loops Revisited by Doug DeMaw from March 1988 QST for more information.

Jim W4UX

----- Original Message -----
From: ke1jf
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 16, 2011 8:09 AM
Subject: [ham-antennas] 40 Meter Loop Balun Placement

I helped a friend put up his 40 meter loop and he has a 4:1 balun in the center at the top and it is working great for him with low noise. Would it affect it's performance if I put one up with the balun at one of the bottom corners ? It would be easier to maintain and would require a shorter coax run. Just wondering what effect moving the balun would have, my main interest is for DXing.

Tnx in Advance !!
73,
Tom, KE1JF

[Non-text portions of this message have been removed]

20172. Re: [ham-antennas] Drooping dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 15:14:00 UTC
From: chas
Topic: 20170 Message: 20172

On 10/16/11 10:02 AM, Rodney Byam wrote:
> I generally go to a Farm store and get a substantial galv sprint

what is a "sprint"??

[and then] fit it
> into a schedule 40 pvc tube with cap [.] [I then] cut[ting] a hole in the cap for the top
> of the spring and use that for a tension device when hooked to a tree
> allows for the wind sway

I THINK that makes more sense... I am assuming the tube with cap is dropped down over the top of the screen spring and the tube acts like a shock absorber cover??? good idea. why didn't I think of that and pretty much save the Rustoleum and spray it with a metal preservative oil which is a lot cheaper!! drilling a hole across the cap on the side would allow the spring top to be captured by a piece of wire (we call it baling wire, down here) would keep rain out of the top of the tube. hmmmm thanks again.

Still not sure how that mast connects with the feedpoint though.<G>

Chas k5dam

--
A: Because it messes up the order in which people normally read text. <B>
Q: Why is top-posting such a bad thing?<B>
A: Top-posting. <b>
Q: What is the most annoying thing in e-mail? <B>

.

20173. Re: [ham-antennas] 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 15:21:19 UTC
From: Tom-KE1JF
Topic: 20163 Message: 20173

Sure Doug,

He told me he used 1005/freq = total length. Then he placed the 4:1 balun at the top and supported. He added 2 insulators giving it 3 equal sides with the bottom level with the ground about 15' high. It's more like a triangle than a square or loop but it performs great with roughly 1.2:1 across the CW portion only needing a tuner up over 7150 and the rig tunes it fine. Perhaps a loop is not the correct name but that's what he called it.

73, Tom

From: doug pfaff
Sent: Sunday, October 16, 2011 10:40 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 40 Meter Loop Balun Placement

Tom

Can you elabrate more where did the strange design come from using the 4:1 balun?

The design I had was out of the ARRL Antenna Compandium Handbook

I used the standard 1/4 matching coax method OF 75 OHM TV COAX and got 1.5 swr across the whole band.

The loop impedance is about 100 ohms so why was the 4:1 balun used, this would give a 25 ohm factor and still 2:1 for the transmitter where was the design found with the balun?

Doug VE5DCP

----- Original Message -----
From: ke1jf
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 16, 2011 6:09 AM
Subject: [ham-antennas] 40 Meter Loop Balun Placement

I helped a friend put up his 40 meter loop and he has a 4:1 balun in the center at the top and it is working great for him with low noise. Would it affect it's performance if I put one up with the balun at one of the bottom corners ? It would be easier to maintain and would require a shorter coax run. Just wondering what effect moving the balun would have, my main interest is for DXing.

Tnx in Advance !!
73,
Tom, KE1JF

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20174. Re: RF InShack with 160m loop fed with ladderline need help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 16:19:47 UTC
From: kb7gl
Topic: 20158 Message: 20174

I agree with that. However, just a ground rod should provide a good DC path but might not be effective for stray RF. If possible, I'd also run a counterpoise around the house foundation, as well. Use copper wire and connect it to the common ground.

73, Vic
KB7GL

--- In ham-antennas@yahoogroups.com, Jon Ermels <n0igu@...> wrote:
>
> It sounds to me like you need to work on the grounding, especially the tuner needs the largest strap you can find with the shortest length you can run to the most and deepest ground rods you can get in.
>
>
> 73 de NØIGU
> Jon
>
>
> >_____
> >From: Don <goldtr8@...>
> >To: ham-antennas@...m
> >Sent: Saturday, October 15, 2011 8:15 PM
> >Subject: [ham-antennas] RF InShack with 160m loop fed with ladderline need help
> >
> > I have built a 160m loop and am feeding it with ladder line.
> >
> >The ladder line comes in directly thru the window and is connected to my MFJ 962d tuner balanced line. I can tune the antenna with no significant issues at all for SWR.
> >
> >The rest of the set up is a K3 to an SGC powercube. Power is provided by batteries.
> >
> >The problem that I am having is I am getting a significant amount of RF problems with a highly distorted TX when I use the loop.
> >
> >Now there is another thing that needs to be stated about the installation. The loop runs around the house so that the shack is basically in the center of the circle. Also I have a dipole that is close to the loop as well. So I don't know if the RF is coming in thru the dipole. Note if I TX with the dipole there is still RF on my signal but highly reduced. If I disconnect the ladder line from the tuner the RF goes away. (Maybe a tuner problem???)
> >
> >Right now to be able to use the radio at all I had to remove the ladder line from the shack and I have coiled it up outside at the feed point.
> >
> >So can this installation be salvaged, as I am thinking my number 1 problem is that I am

in the center of the loop. Second I am starting to think from reading on the internet that ladder line should not be run in the shack as any RF can not be choked. Thus I should be using a 1:1 current balun outside of the shack and then run coax between the tuner and balun and I would suspect put some ferrites on the coax.
> >
> >Anyone who can provide help in figuring out this problem that I am having your feedback will be appreciated.
> >
> >Thanks
> >Don
> >KD8NNU

20175. Re: [ham-antennas] Re: RF InShack with 160m loop fed with ladderline need help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 17:20:38 UTC
From: Ron Youvan
Topic: 20158 Message: 20175

Vic KB7GL wrote:

> I agree with that. However, just a ground rod should provide a good DC path but might not be
> effective for stray RF. If possible, I'd also run a counterpoise around the house foundation, as
> well. Use copper wire and connect it to the common ground.

Sometimes goofy RF in the wrong places problems are caused by a bad shield connection in a coax
connector, best tested by substitution when possible.

> > It sounds to me like you need to work on the grounding, especially the tuner needs the largest
> strap you can find with the shortest length you can run to the most and deepest ground rods you can
> get in.
> > > I have built a 160m loop and am feeding it with ladder line.
> > >The ladder line comes in directly thru the window and is connected to my MFJ 962d tuner balanced
> line. I can tune the antenna with no significant issues at all for SWR.
> > >The rest of the set up is a K3 to an SGC powercube. Power is provided by batteries.
> > >The problem that I am having is I am getting a significant amount of RF problems with a highly
> distorted TX when I use the loop.
> > >Now there is another thing that needs to be stated about the installation. The loop runs around
> the house so that the shack is basically in the center of the circle. Also I have a dipole that is
> close to the loop as well. So I don't know if the RF is coming in thru the dipole. Note if I TX
> with the dipole there is still RF on my signal but highly reduced. If I disconnect the ladder line
> from the tuner the RF goes away. (Maybe a tuner problem???
> > >Right now to be able to use the radio at all I had to remove the ladder line from the shack and
> I have coiled it up outside at the feed point.
> > >So can this installation be salvaged, as I am thinking my number 1 problem is that I am in the
> center of the loop. Second I am starting to think from reading on the internet that ladder line
> should not be run in the shack as any RF can not be choked. Thus I should be using a 1:1 current
> balun outside of the shack and then run coax between the tuner and balun and I would

suspect put
> some ferrites on the coax.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20176. AW: [ham-antennas] 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 18:33:30 UTC
From: Siegfried Jackstien
Topic: 20163 Message: 20176

Feeding it at a lower edge (or a bit up from that ... best would be 0.25 wl
from top so abt 2.5-3m out of the lower corner) would give you vertical
polarized low angle radiation
Feeding it at the top (or bottom center) would give you horizontal polarized
radiation with a higher elevation angle ... but all that depends on height
over ground ... if you can erect it HIGH than horizontal polarization is
better .... but most hams can not get the loop half a wave length high ...
So in that case feeding it vertical polarized is better
Greetz sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von ke1jf
> Gesendet: Sonntag, 16. Oktober 2011 12:10
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 40 Meter Loop Balun Placement
>
>
>
> I helped a friend put up his 40 meter loop and he has a 4:1 balun in the
> center at the top and it is working great for him with low noise. Would it
> affect it's performance if I put one up with the balun at one of the
> bottom corners ? It would be easier to maintain and would require a
> shorter coax run. Just wondering what effect moving the balun would have,
> my main interest is for DXing.
>
> Tnx in Advance !!
> 73,
> Tom, KE1JF
>
>
>
>

20177. Re: [ham-antennas] 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 21:56:41 UTC
From: roger.h@comcast.net
Topic: 20163 Message: 20177

Why a 4:1 balun? the 1005/7.150 formular is what I use. A full wave loop normally is 100 ohm impedance. Feeding it at the corner is the best place but should be feed in the vicinity of a quarter wave of the freq set for, but height and type does play ibto it. My loop is a triangle and feed at the corner. Works great. I just have a direct feed to 450 ohm for 157 feet to 4:1 down to RG213 for 131 feet. The best loop I've ev er had especially in fall and winter. Am out now burying 2 runs of Cable TV 5/8" hardline and 1 run of LMR400 for 227'. This is kicking my +%#& and my (87&$@&). Not even considering what it's doing to my &%4(^Fyt$%. Boy I feel better now. 73, Roger, w4iv.

----- Original Message -----
From: "ke1jf" <ke1jf@verizon.net>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 16, 2011 7:09:48 AM
Subject: [ham-antennas] 40 Meter Loop Balun Placement

I helped a friend put up his 40 meter loop and he has a 4:1 balun in the center at the top and it is working great for him with low noise. Would it affect it's performance if I put one up with the balun at one of the bottom corners ? It would be easier to maintain and would require a shorter coax run. Just wondering what effect moving the balun would have, my main interest is for DXing.

Tnx in Advance !!
73,
Tom, KE1JF

[Non-text portions of this message have been removed]

20178. Re: [ham-antennas] RF InShack with 160m loop fed with ladderline need help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 22:42:49 UTC
From: roger.h@comcast.net
Topic: 20158 Message: 20178

Hello Jon. On my loop at that time, .I move ladder to outside to 4:1 balun and tuner with 8' ground rod and connected all together. It worked for me, But yours maybe be a little more difficult. Roger, w4iv

----- Original Message -----
From: "Jon Ermels" <n0igu@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 16, 2011 6:52:40 AM
Subject: Re: [ham-antennas] RF InShack with 160m loop fed with ladderline need help

It sounds to me like you need to work on the grounding, especially the tuner needs the largest strap you can find with the shortest length you can run to the most and deepest ground rods you can get in.

73 de NØIGU
Jon

>_____
>From: Don < goldtr8@charter.net >
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, October 15, 2011 8:15 PM
>Subject: [ham-antennas] RF InShack with 160m loop fed with ladderline need help
>
> I have built a 160m loop and am feeding it with ladder line.
>
>The ladder line comes in directly thru the window and is connected to my MFJ 962d tuner balanced line. I can tune the antenna with no significant issues at all for SWR.
>
>The rest of the set up is a K3 to an SGC powercube. Power is provided by batteries.
>
>The problem that I am having is I am getting a significant amount of RF problems with a highly distorted TX when I use the loop.
>
>Now there is another thing that needs to be stated about the installation. The loop runs around the house so that the shack is basically in the center of the circle. Also I have a dipole that is close to the loop as well. So I don't know if the RF is coming in thru the dipole. Note if I TX with the dipole there is still RF on my signal but highly reduced. If I disconnect the ladder line from the tuner the RF goes away. (Maybe a tuner problem???)
>
>Right now to be able to use the radio at all I had to remove the ladder line from the shack and I have coiled it up outside at the feed point.
>
>So can this installation be salvaged, as I am thinking my number 1 problem is that I am in the center of the loop. Second I am starting to think from reading on the internet that

ladder line should not be run in the shack as any RF can not be choked. Thus I should be using a 1:1 current balun outside of the shack and then run coax between the tuner and balun and I would suspect put some ferrites on the coax.
>
>Anyone who can provide help in figuring out this problem that I am having your feedback will be appreciated.
>
>Thanks
>Don
>KD8NNU
>
>
>
>
>-----------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20179. Re: [ham-antennas] 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-16 23:11:36 UTC
From: Tom-KE1JF
Topic: 20163 Message: 20179

Thanks Roger,

I don't know why he used a 4:1, it came down in a storm & I helped him put it back up and saw how good it performs so I asked him how it was made. Maybe I'll try your method of feeding it first and perhaps it will improve it. As for burying feedline that's what nephews are for !!

73, Tom

From: roger.h@...
Sent: Sunday, October 16, 2011 5:56 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 40 Meter Loop Balun Placement

Why a 4:1 balun? the 1005/7.150 formular is what I use. A full wave loop normally is 100 ohm impedance. Feeding it at the corner is the best place but should be feed in the vicinity of a quarter wave of the freq set for, but height and type does play ibto it. My loop is a triangle and feed at the corner. Works great. I just have a direct feed to 450 ohm for 157 feet to 4:1 down to RG213 for 131 feet. The best loop I've ev er had especially in fall and winter. Am out now burying 2 runs of Cable TV 5/8" hardline and 1 run of LMR400 for 227'. This is kicking my +%#& and my (87&$@&). Not even considering what it's doing to my &%4(^Fyt$%. Boy I feel better now. 73, Roger, w4iv.

----- Original Message -----
From: "ke1jf" <ke1jf@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 16, 2011 7:09:48 AM
Subject: [ham-antennas] 40 Meter Loop Balun Placement

I helped a friend put up his 40 meter loop and he has a 4:1 balun in the center at the top and it is working great for him with low noise. Would it affect it's performance if I put one up with the balun at one of the bottom corners ? It would be easier to maintain and would require a shorter coax run. Just wondering what effect moving the balun would have, my main interest is for DXing.

Tnx in Advance !!
73,
Tom, KE1JF

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20180. Re: 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-17 14:38:05 UTC
From: Chuck Littlewood
Topic: 20163 Message: 20180

I agree on the screen door springs, about ½☐ in dia. and 14☐ long. Use a loose loop of cord across the spring in case the spring gives way for any reason.

73,

Chuck, K4HF

[Non-text portions of this message have been removed]

20181. AW: [ham-antennas] 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-17 17:14:16 UTC
From: Siegfried Jackstien
Topic: 20163 Message: 20181

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Tom-KE1JF
> Gesendet: Sonntag, 16. Oktober 2011 23:12
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] 40 Meter Loop Balun Placement
>
>
>
> Thanks Roger,
>
> I don't know why he used a 4:1, it came down in a storm & I helped him put
> it back up and saw how good it performs so I asked him how it was made.
> Maybe I'll try your method of feeding it first and perhaps it will improve
> it. As for burying feedline that's what nephews are for !!
>
> 73, Tom
>
> From: roger.h@... <mailto:roger.h%40comcast.net>
> Sent: Sunday, October 16, 2011 5:56 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] 40 Meter Loop Balun Placement
>
> Why a 4:1 balun? the 1005/7.150 formular is what I use. A full wave loop
> normally is 100 ohm impedance. Feeding it at the corner is the best place
> but should be feed in the vicinity of a quarter wave of the freq set for,
> but height and type does play ibto it. My loop is a triangle and feed at
> the corner. Works great. I just have a direct feed to 450 ohm for 157 feet
> to 4:1 down to RG213 for 131 feet. The best loop I've ev er had especially
> in fall and winter. Am out now burying 2 runs of Cable TV 5/8" hardline
> and 1 run of LMR400 for 227'. This is kicking my +%#& and my (87&$@&). Not
> even considering what it's doing to my &%4(^Fyt$%. Boy I feel better now.
> 73, Roger, w4iv.
>
> ----- Original Message -----
> From: "ke1jf" <ke1jf@... <mailto:ke1jf%40verizon.net> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Sunday, October 16, 2011 7:09:48 AM
> Subject: [ham-antennas] 40 Meter Loop Balun Placement
>
> I helped a friend put up his 40 meter loop and he has a 4:1 balun in the
> center at the top and it is working great for him with low noise. Would it
> affect it's performance if I put one up with the balun at one of the
> bottom corners ? It would be easier to maintain and would require a
> shorter coax run. Just wondering what effect moving the balun would have,

> my main interest is for DXing.
>
> Tnx in Advance !!
> 73,
> Tom, KE1JF
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

20182. AW: [ham-antennas] 40 Meter Loop Balun Placement

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-17 17:17:04 UTC
From: Siegfried Jackstien
Topic: 20163 Message: 20182

If ertical fed and low over ground you have very often close to 50 ohms ...
so a 1:1 would work better on the fundamental ...
On harmonics the impedance goes up so there the higher ratio balun is better
... it depends on height ... and bands of use ... and feedingpoint
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Tom-KE1JF
> Gesendet: Sonntag, 16. Oktober 2011 23:12
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] 40 Meter Loop Balun Placement
>
>
>
> Thanks Roger,
>
> I don't know why he used a 4:1, it came down in a storm & I helped him put
> it back up and saw how good it performs so I asked him how it was made.
> Maybe I'll try your method of feeding it first and perhaps it will improve
> it. As for burying feedline that's what nephews are for !!
>
> 73, Tom
>
> From: roger.h@... <mailto:roger.h%40comcast.net>
> Sent: Sunday, October 16, 2011 5:56 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] 40 Meter Loop Balun Placement
>
> Why a 4:1 balun? the 1005/7.150 formular is what I use. A full wave loop
> normally is 100 ohm impedance. Feeding it at the corner is the best place
> but should be feed in the vicinity of a quarter wave of the freq set for,
> but height and type does play ibto it. My loop is a triangle and feed at
> the corner. Works great. I just have a direct feed to 450 ohm for 157 feet
> to 4:1 down to RG213 for 131 feet. The best loop I've ev er had especially
> in fall and winter. Am out now burying 2 runs of Cable TV 5/8" hardline
> and 1 run of LMR400 for 227'. This is kicking my +%#& and my (87&$@&). Not
> even considering what it's doing to my &%4(^Fyt$%. Boy I feel better now.
> 73, Roger, w4iv.
>
> ----- Original Message -----
> From: "ke1jf" <ke1jf@... <mailto:ke1jf%40verizon.net> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> Sent: Sunday, October 16, 2011 7:09:48 AM
> Subject: [ham-antennas] 40 Meter Loop Balun Placement
>
> I helped a friend put up his 40 meter loop and he has a 4:1 balun in the
> center at the top and it is working great for him with low noise. Would it
> affect it's performance if I put one up with the balun at one of the
> bottom corners ? It would be easier to maintain and would require a
> shorter coax run. Just wondering what effect moving the balun would have,
> my main interest is for DXing.
>
> Tnx in Advance !!
> 73,
> Tom, KE1JF
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

20183. extention poles as a mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-17 19:54:58 UTC
From: tivoligardens@yahoo.com
Topic: 20183 Message: 20183

Has anyone used fiberglass entention poles as a mast for a light weight antenna ?

Hal w4hal

20184. Re: [ham-antennas] extention poles as a mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-17 21:21:27 UTC
From: Richard Solomon
Topic: 20183 Message: 20184

I use them for my 160/80 Pennant Antennas and another lot for my 80 Meter Inverted "L" I use with the AM rig.

73, Dick, W1KSZ

On Mon, Oct 17, 2011 at 12:54 PM, <tivoligardens@...> wrote:

> **
>
>
> Has anyone used fiberglass entention poles as a mast for a light weight
> antenna ?
>
> Hal w4hal
>
>
>

[Non-text portions of this message have been removed]

20185. RE: [ham-antennas] Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-18 01:07:35 UTC
From: KA9EGW
Topic: 20153 Message: 20185

The only problem with using fishing line for a messenger line, is trying to pull it over a shingled roof without getting it caught in the shingle tabs...forget it.

I ended up using a 30-foot paint roller extension to get my wire deployed...took all of about 20 minutes.

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of hitekgearhead
Sent: Saturday, October 15, 2011 7:24 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Sagging Dipoles, er Slingshot

A slingshot, a zebco, a couple zip ties, and a 1oz fishing sinker will only set you back $25

The cablecaster and laserline basically only look like more expensive ways of doing the same thing.

> But THERE IS A BETTER WAY! It is called a CABLECASTER. It is dart
> shooting gun by Greenlee (remember the punches?)
>

> Another version with up to 150 foot range - Laserline Pull String
> Shooter:
>
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20186. B&W Model 370-1

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-18 01:39:30 UTC
From: steve_ve6vs
Topic: 20186 Message: 20186

I have gad a set of these traps for quite a while and cannot find anything even on Google for these. I thought they were for an 80/40 antenna but they don't behave that way.

TIA & 73 Steve VE6VS

20187. Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-18 01:53:55 UTC
From: pchapman920
Topic: 20153 Message: 20187

The Marksman 3060 and 3061 at WallyWorld ($9.99) and other sources is the best for homebrew with the long wrist support and long adjustable yolk....add a Zebco 202...$7.99. I prefer half ounce sinkers....and I add a few inches of pink Mason twine to spot it after the launch.

Just remember safety with a slingshot doing this....the entire payload must go in the pouch if using sinker, pink twine, and if you are using a swivel hook....If you do not follow this rule, you will have limited range and or backfire.....safety glasses!!!!OK????

Considering that the Marksman 3060/3061 has a 200 yard range at full power, this could result in serious damage to your body. Be careful, contain the full payload in the pouch and protect yourself. Hold the slingshot at full arm extension. a busted band could hurt your arm, but better than losing an eyeball.

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> The only problem with using fishing line for a messenger line, is trying to
> pull it over a shingled roof without getting it caught in the shingle
> tabs...forget it.
>
> I ended up using a 30-foot paint roller extension to get my wire
> deployed...took all of about 20 minutes.
>
> 73, Brian KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of hitekgearhead
> Sent: Saturday, October 15, 2011 7:24 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Sagging Dipoles, er Slingshot
>
> A slingshot, a zebco, a couple zip ties, and a 1oz fishing sinker will only
> set you back $25
>
> The cablecaster and laserline basically only look like more expensive ways
> of doing the same thing.
>
>
>
> > But THERE IS A BETTER WAY! It is called a CABLECASTER. It is dart
> > shooting gun by Greenlee (remember the punches?)
> >
>
> > Another version with up to 150 foot range - Laserline Pull String
> > Shooter:

> >
> >
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

20188. Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-18 15:32:11 UTC
From: AB2ZY
Topic: 20153 Message: 20188

If you live in one of the enlightened rust belt nanny states like NY, safety is guaranteed by preventing Walmart from selling slingshots.

I ended up buying an EZ-Hang as an impulse purchase at Dayton a few years ago. A lot of money for a tool I'll only use a few times in my life. It does work, though.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> The Marksman 3060 and 3061 at WallyWorld ($9.99) and other sources is the best for homebrew with the long wrist support and long adjustable yolk....add a Zebco 202...$7.99. I prefer half ounce sinkers....and I add a few inches of pink Mason twine to spot it after the launch.
>
> Just remember safety with a slingshot doing this....the entire payload must go in the pouch if using sinker, pink twine, and if you are using a swivel hook....If you do not follow this rule, you will have limited range and or backfire.....safety glasses!!!!OK????
>
> Considering that the Marksman 3060/3061 has a 200 yard range at full power, this could result in serious damage to your body. Be careful, contain the full payload in the pouch and protect yourself. Hold the slingshot at full arm extension. a busted band could hurt your arm, but better than losing an eyeball.

20189. Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-19 15:46:57 UTC
From: pchapman920
Topic: 20153 Message: 20189

And the enforcement probably comes from another billion tax dollar agency.

--- In ham-antennas@yahoogroups.com, "AB2ZY" <akozak@...> wrote:
>
> If you live in one of the enlightened rust belt nanny states like NY, safety is guaranteed by preventing Walmart from selling slingshots.
>
> I ended up buying an EZ-Hang as an impulse purchase at Dayton a few years ago. A lot of money for a tool I'll only use a few times in my life. It does work, though.
>
> Al
> AB2ZY
>

>

20190. Feeding an End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-20 04:28:10 UTC
From: Gregory
Topic: 20190 Message: 20190

Hi,everyone. I have a question about feeding an end fed antenna. I have one of those end fed antennas that you find on ebay. It uses an unun with 65 feet of wire. Initially, I temporarily hooked it up to a second storey window of my home and strung the wire at a diagonal across the yard. I used a MFJ isolator. Surprisingly, it worked and I made a number of contacts on the digital modes and cw on 20-10. Reception was 1-2 db below my other trap dipole.

My roof is 30 feet high. My window was only 15 feet above the ground. If I place the antenna on my roof I can position it so that about 30 feet of the antenna will be on the roof and the other 35 feet will gradually slope into the yard and can be tied to a tree at about 15 feet high. It does give me all band coverage with a low swr.

Does it matter if the unun is fed from the roof or if the unun is tied to the tree and fed from the lower elevation? I don't think so but I can't find anything on this for sure. I'm leaving it up to the experts on here. Thank you, Greg.

20191. Re: [ham-antennas] Feeding an End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-20 11:23:16 UTC
From: GLORIA WELLS
Topic: 20190 Message: 20191

I have the same systemm my unun is mounted near the ground to kee my coax run shorter. The wire from the antenna goes from the unun up to 9ft then from there up to 15ft in a tree. I was told that as long as I don't double back on it that it will work, I run approx 100 watts.

Gloria

--- On Thu, 10/20/11, Gregory <etsu1972@...> wrote:

From: Gregory <etsu1972@...>
Subject: [ham-antennas] Feeding an End Fed Antenna
To: ham-antennas@yahoogroups.com
Date: Thursday, October 20, 2011, 12:28 AM

Hi,everyone. I have a question about feeding an end fed antenna. I have one of those end fed antennas that you find on ebay. It uses an unun with 65 feet of wire. Initially, I temporarily hooked it up to a second storey window of my home and strung the wire at a diagonal across the yard. I used a MFJ isolator. Surprisingly, it worked and I made a number of contacts on the digital modes and cw on 20-10. Reception was 1-2 db below my other trap dipole.

My roof is 30 feet high. My window was only 15 feet above the ground. If I place the antenna on my roof I can position it so that about 30 feet of the antenna will be on the roof and the other 35 feet will gradually slope into the yard and can be tied to a tree at about 15 feet high. It does give me all band coverage with a low swr.

Does it matter if the unun is fed from the roof or if the unun is tied to the tree and fed from the lower elevation? I don't think so but I can't find anything on this for sure. I'm leaving it up to the experts on here. Thank you, Greg.

[Non-text portions of this message have been removed]

20192. Re: Feeding an End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-20 14:18:09 UTC
From: Chris Baker
Topic: 20190 Message: 20192

Basically the end fed & unun requires a earth to work against, thats why most layouts you see are as a sloper because the un un is connected to earth stakes or radials.

You can normally place the unun anywhere is best for you as long as the radials/counterpoise is connected and you don't double back the radiator too much on itself.
Try inv L , slopers or even a U or V or unpside down U/CV fed in one corner with the centre up as high as possible.
the main thing with any aerial is to try to make sure as much as possible is as high & in the clear.

Thanks

Chris Baker B.A.

Sunny Morecambe, the gateway to the Lakes
ARS: G4LDS
WAB:SD 46
LOC: IO84 NB
G-QRP: 6884
IOTA: EU005
The SANDS Contest group : G1T
G4LDS@...

[Non-text portions of this message have been removed]

20193. Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-20 16:04:34 UTC
From: Robert Moss
Topic: 20190 Message: 20193

But what if the end fed antenna is a HALF wavelength long or a multiple thereof? Can't you do away with the elaborate radial/ counterpoise system and simply run the braid side of the coax to an earth ground? There are some very successful commercial end fed half wave antennas that require only the most basic ground connection.

Thanks,

Bob W1RAM

On Oct 20, 2011, at 10:18 AM, Chris Baker wrote:

> Basically the end fed & unun requires a earth to work against, thats
> why most layouts you see are as a sloper because the un un is
> connected to earth stakes or radials.
>
> You can normally place the unun anywhere is best for you as long as
> the radials/counterpoise is connected and you don't double back the
> radiator too much on itself.
> Try inv L , slopers or even a U or V or unpside down U/CV fed in one
> corner with the centre up as high as possible.
> the main thing with any aerial is to try to make sure as much as
> possible is as high & in the clear.
>
>
> Thanks
>
> Chris Baker B.A.
>
>
> Sunny Morecambe, the gateway to the Lakes
> ARS: G4LDS
> WAB:SD 46
> LOC: IO84 NB
> G-QRP: 6884
> IOTA: EU005
> The SANDS Contest group : G1T
> G4LDS@...
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

20194. RE: [ham-antennas] Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 11:26:57 UTC
From: Bob G
Topic: 20190 Message: 20194

I recommend you to have a look at http://www.aa5tb.com/ .. He has lots of info on end fed's

Regards Bob G4WHX

20195. Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 19:35:35 UTC
From: AB2ZY
Topic: 20190 Message: 20195

With a half wavelength you will need a matching network as the impedence will be a few thousand ohms. You lose the ability to run much power due to the very high voltage the matching network will be subject to. Evan 100W is likely to cause issues with modestly rated components. And the matching network is likely to render the antenna a monobander.

Unless there is a compelling reason to feed the antenna at the end (e.g., portable operation), most people would be better off configuring that half wavelength wire as a dipole.

Or use a counterpoise of some sort...

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Robert Moss <W1RAM@...> wrote:
>
> But what if the end fed antenna is a HALF wavelength long or a
> multiple thereof? Can't you do away with the elaborate radial/
> counterpoise system and simply run the braid side of the coax to an
> earth ground? There are some very successful commercial end fed half
> wave antennas that require only the most basic ground connection.
>
> Thanks,
>
> Bob W1RAM
>
>
>
> On Oct 20, 2011, at 10:18 AM, Chris Baker wrote:
>
> > Basically the end fed & unun requires a earth to work against, thats
> > why most layouts you see are as a sloper because the un un is
> > connected to earth stakes or radials.
> >
> > You can normally place the unun anywhere is best for you as long as
> > the radials/counterpoise is connected and you don't double back the
> > radiator too much on itself.
> > Try inv L , slopers or even a U or V or unpside down U/CV fed in one
> > corner with the centre up as high as possible.
> > the main thing with any aerial is to try to make sure as much as
> > possible is as high & in the clear.
> >
> >
> > Thanks
> >
> > Chris Baker B.A.

> >
> >
> > Sunny Morecambe, the gateway to the Lakes
> > ARS: G4LDS
> > WAB:SD 46
> > LOC: IO84 NB
> > G-QRP: 6884
> > IOTA: EU005
> > The SANDS Contest group : G1T
> > G4LDS@...
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
>
>
> [Non-text portions of this message have been removed]
>

20196. Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 21:09:45 UTC
From: Joe
Topic: 20196 Message: 20196

Going through the local tower ordnance it states the below. What do you all think it means/

(3) Amateur radio. This ordinance shall not govern the installation of any tower or antenna support structure that is owned and/or operated by a federally licensed amateur radio operator, that is less than 75 feet in height and is placed at a distance equal to or more than one and one-half the height of the tower from any adjacent property line.

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

20197. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 21:20:10 UTC
From: Walt
Topic: 20196 Message: 20197

Looks like it means it has to be 112.5 feet or more away from anyone else's property while staying just under 75 feet in height. looks like this is applied to the Tower itself, not the antenna. (loophole?).

From: Joe
Sent: Friday, October 21, 2011 5:09 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Tower Ordinance

Going through the local tower ordnance it states the below. What do you
all think it means/

(3) Amateur radio. This ordinance
shall not govern the installation of any tower or
antenna support structure that is owned and/or
operated by a federally licensed amateur radio
operator, that is less than 75 feet in height and is
placed at a distance equal to or more than one and
one-half the height of the tower from any adjacent
property line.

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1831 / Virus Database: 2092/4564 - Release Date: 10/20/11

[Non-text portions of this message have been removed]

20198. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 21:27:51 UTC
From: David Rogers
Topic: 20196 Message: 20198

Joe,

That would appear to mean that if your tower is 50 feet tall, it has to be at least 75 feet from any property line.

If you have a 50 foot wide lot, that would appear to limit the height of your antenna to (50/3)x 2 = approx. 32 feet.

Of course, I could be wrong. But that is what it seems to say.

David, WA7ZYQ

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 2:09 PM
Subject: [ham-antennas] Tower Ordinance

Going through the local tower ordnance it states the below. What do you all think it means/

(3) Amateur radio. This ordinance shall not govern the installation of any tower or antenna support structure that is owned and/or operated by a federally licensed amateur radio operator, that is less than 75 feet in height and is placed at a distance equal to or more than one and one-half the height of the tower from any adjacent property line.

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20199. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 21:33:17 UTC
From: David Rogers
Topic: 20196 Message: 20199

Sorry about that -- that would be for a lot 100 feet wide. For fifty feet wide, it would be:

(25/3)x2 = approx. 16 feet high

It says that the antenna will be controlled if it is more than 2/3 the distance from a boundry line. If the lot is 50 feet wide, the tower can only be 2/3 of 25 feet. And then it must be placed at the point that is 25 feet from any boundry line.

David, WA7ZYQ

----- Original Message -----
From: David Rogers
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 2:27 PM
Subject: Re: [ham-antennas] Tower Ordinance

Joe,

That would appear to mean that if your tower is 50 feet tall, it has to be at least 75 feet from any property line.

If you have a 50 foot wide lot, that would appear to limit the height of your antenna to (50/3)x 2 = approx. 32 feet.

Of course, I could be wrong. But that is what it seems to say.

David, WA7ZYQ

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 2:09 PM
Subject: [ham-antennas] Tower Ordinance

Going through the local tower ordnance it states the below. What do you
all think it means/

(3) Amateur radio. This ordinance
shall not govern the installation of any tower or
antenna support structure that is owned and/or
operated by a federally licensed amateur radio
operator, that is less than 75 feet in height and is
placed at a distance equal to or more than one and
one-half the height of the tower from any adjacent
property line.

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20200. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 21:44:44 UTC
From: Frank Kirschner
Topic: 20196 Message: 20200

What it means is that as long as your tower is less than 75 feet in height and within one and a half times its height from any property line, the local ordnance doesn't pertain, only the federal regulations do. You might ask a lawyer (which I'm not) but based on what I've read, and what my lawyer told me, there are court decisions that have ruled that local ordnance can't unduly restrict federally-licensed operation.

So as long as you are within those guidelines, you are OK. You may still need a permit to erect your tower, but the local ordnance doesn't govern height or placement.

73,
Frank
KF6E

On Fri, Oct 21, 2011 at 5:09 PM, Joe <nss@...> wrote:

> **
>
>
> Going through the local tower ordnance it states the below. What do you
> all think it means/
>
> (3) Amateur radio. This ordinance
> shall not govern the installation of any tower or
> antenna support structure that is owned and/or
> operated by a federally licensed amateur radio
> operator, that is less than 75 feet in height and is
> placed at a distance equal to or more than one and
> one-half the height of the tower from any adjacent
> property line.
>
> Joe WB9SBD
> --
>

[Non-text portions of this message have been removed]

20201. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 21:51:03 UTC
From: Richard Solomon
Topic: 20196 Message: 20201

I am no Lawyer, but it sounds like the tower height (including antennas) is limited to
a height of less than 75 feet. And must have a 50% clearance factor over the height
of the tower. I read that to mean a 60' tower must be located at least 90' from the
nearest property line.
You know, these towers can jump quite far.

Sounds like an ordinance to keep folks on 100' X 100' lots from having anything useful
for a tower.

73, Dick, W1KSZ

On Fri, Oct 21, 2011 at 2:09 PM, Joe <nss@...> wrote:

> **
>
>
> Going through the local tower ordnance it states the below. What do you
> all think it means/
>
> (3) Amateur radio. This ordinance
> shall not govern the installation of any tower or
> antenna support structure that is owned and/or
> operated by a federally licensed amateur radio
> operator, that is less than 75 feet in height and is
> placed at a distance equal to or more than one and
> one-half the height of the tower from any adjacent
> property line.
>
> Joe WB9SBD
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

20202. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 21:57:37 UTC
From: Dan Schaaf
Topic: 20196 Message: 20202

What is considered "useful" ?
My tower is 30 ft high and I work the world.
I have already clean sweeped T32C and have worked VK9CX on several bands.
VK9CX is halfway around the world for me.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: "Richard Solomon" <dickw1ksz@...>
To: <ham-antennas@yahoogroups.com>
Sent: Friday, October 21, 2011 5:51 PM
Subject: Re: [ham-antennas] Tower Ordinance

>I am no Lawyer, but it sounds like the tower height (including antennas) is
> limited to
> a height of less than 75 feet. And must have a 50% clearance factor over
> the height
> of the tower. I read that to mean a 60' tower must be located at least 90'
> from the
> nearest property line.
> You know, these towers can jump quite far.
>
> Sounds like an ordinance to keep folks on 100' X 100' lots from having
> anything useful
> for a tower.
>
> 73, Dick, W1KSZ
>
> On Fri, Oct 21, 2011 at 2:09 PM, Joe <nss@...> wrote:
>
>> **
>>
>>
>> Going through the local tower ordnance it states the below. What do you
>> all think it means/
>>
>> (3) Amateur radio. This ordinance
>> shall not govern the installation of any tower or
>> antenna support structure that is owned and/or
>> operated by a federally licensed amateur radio
>> operator, that is less than 75 feet in height and is
>> placed at a distance equal to or more than one and
>> one-half the height of the tower from any adjacent
>> property line.

>>
>> Joe WB9SBD
>> --
>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

20203. Antenna related items FS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 22:37:27 UTC
From: Ken Simpson, W8EK
Topic: 20203 Message: 20203

Antenna related items For Sale:
Coaxial Antenna Switches, SWR Bridges and Wattmeters,
VHF and UHF Mobile Antennas and Mounts, Coax Connectors
and Adapters, Rubber Duck HT Antennas, etc.

MFJ "Strip Line" Coaxial antenna switches:

Both of these antenna switches are in a heavy diecast housing
that utilizes "stripline" construction to keep the impedance
very close to 50 ohms. This means it permits good operation
at higher frequencies up to 500 MHz, and gives over 50 db
isolation. Unused antennas are grounded, with an additional
position to ground all antennas. SO-239 connectors.

MFJ 1704 Coax Switch
Will switch up to 4 antennas. Lightning protection is built
in. It works fine and looks close to new. $55

MFJ 1702 B Coax Switch
Switches 2 antennas. This one works 100% and looks great
also. $24

HF and VHF SWR Bridges For Sale:

All of these cover from 3 to 150 MHz, covering HF, 6 meters,
and 2 meters, so are ideal for the new rigs with 6 meters and
2 meters in them. SO-239 connectors.

Quement SWB-2
This unit features two separate meters -- one for reading
forward power and another for reading SWR. This permits one
to easily monitor both the power going out, and the SWR on
the antenna at the same time.
It works fine and looks great. With paper work for $37.

Carter Craft 90-300 HF SWR Bridge
The Carter Craft 90-300 is a single Meter SWR Bridge /
Field Strength Meter.
Although this has a Carter Craft name on it, it is the
same meter that was sold years ago under a couple dozen
different names, including Vanco, Midland, Quements,
Olson, and many others.
This one works fine, and looks extremely nice. I do not
see any scratches on it, and I am 99% certain it has not
been used, except for my testing of it.
In its original box with original instructions and little
field strength antenna. $30

Royce 2-100 Single Meter SWR Bridge / Field Strength Meter
This one works fine, and looks extremely nice. I do not see
any scratches on it, but it does have a previous owners name
on it. In its original box with original instructions. $28

Heath SB-634 Station Console w/ Wattmeter:

The Heathkit SB-634 station console is a multifunction unit.
It contains a 24 hour digital clock (6 large digits, including
seconds), 10 minute interval timer (3 digits -- minutes and
seconds), phone patch and an SWR/Power meter. The large
wattmeter reads either 200 watts or 2000 watts full scale,
in addition to SWR. It matches the Heath SB series of equipment
(Heath green), and is powered by 115 V AC.

This unit works on all of its functions. It looks extremely
nice. I can not find a scratch on it, but there is very slight
(and I emphasize very slight) wear on the 2000 watt push button.

With paper work for $150.

Heath HM-2140 A, dual meter Wattmeter / SWR Bridge:

The HM-2140 A uses two separate meters to measure power and
SWR (forward and reflected power). It will measure either
average power, or peak power (PEP) with a 9 volt battery.
Power ranges are 200 and 2000 watts. Frequency range is
from 160 thru 10 meters. It has a remote sensor, which
permits the meter to be separated from the coax connection
by up to 3 feet. This is the "A" model of this meter, which
is the Heath Brown color (not the green), and has more features.

More details can be found at
http://www.radiomuseum.org/r/heath_wattmeter_hm_2140a_hm2140.html

This particular unit works fine, and looks very close to new.
With paper work for $100.

Larsen NLA Type Mobile Antennas:

These antennas fit the Larsen NLA mobile mount, which is
a special mount made by Larsen.

Larsen NLA-150, 2 meter antenna, for Larsen NLA mount
Has about 3 db gain on 2 meters.
Coil only, without whip (whip is hard to ship). $10
With four foot whip. $19

Larsen NLA-450 coil and "stacked" whip for 440 MHz
Fits the Larsen NLA mount, and has about 5 db gain on
the 70 cm band. Coil and stacked whip are included. $12

UHF (440 MHz) Mobile Antennas :

Avanti "On Glass" antenna for 440 MHz:
This antenna was made by Avanti to mount on a windshield, or other glass. It does not require a ground plane, as it is a 1/2 wave antenna, rated to have 3 db gain. It is ideal for places where a ground plane is not available, such as a boat or motor home, in addition to cars. A special tuning box is included to match to your particular situation.
Avanti Antenna for 440 MHz
Still in its original tube, unopened. $33

Larsen NLA-450 coil and "stacked" whip for 440 MHz
Fits the Larsen NLA mount, and has about 5 db gain on the 70 cm band. Stacked whip is included. $12

Mobile Antenna Mounts:

Large, heavy duty magnetic mount
This large mag mount will take any antenna with a standard 3/8 inch 24 thread connector. It is very heavy duty, about 5 inches in diameter, with a long coax for $25.

Larsen NMO "Button" Mount
This mount fits into a 3/4 inch hole, and will then take any of the many NMO types of antennas. Coax included.
It is in close to new condition. $15

Coax connectors and adapters:

Prices are per connector. Several of each are available.
It looks like these have not been used.

"N" Connector - Double Male $8

BNC male for coax cable
standard type $2
crimp on type $3

Chassis mount BNC female
square mount (uses 4 screws) $3
screw in type $3

BNC "T" - two female and one male $3

Antenna adapter to fit the BNC connector on the HT and provide an SO-239 connector that will permit a PL-259 to be attached. (BNC male to UHF female) $5

UHF Male (PL-259) to BNC female (opposite of above) $5

UHF double female "Barrel connector" (two SO-239 together) $3

UHF "Bulkhead Connector" - Double female, as above, but for mounting thru a window, siding, etc. about 3 inches long $6

UHF double male connector (two PL-259's together) $3

UHF "T" connector with two female (SO-239) and one male
(PL-259) connection $5

Rubber Duck antennas for your HT:
All are for 2 meters, are in good condition,
and are $10 each, unless stated otherwise.

BNC - Standard length, about 7 inches long
BNC - Original from Kenwood TH-215, about 5 inches long
BNC - Stubby about 4.5 inches long

5/16 inch threaded, as used by Motorola and others
Stubby - 4 inches long

Type F connector - 6.5 inches long

PL-259 connector - 6.5 inches long
HyGain 275, still in original packaging

PL-259 connector - Stubby - 4.6 inches long
Centurion, still in original package

Special for Kenwood TH-21 HT threaded connector
Stubby, about 4.5 inches long - $20

BNC Stubby for 440 MHz, 3 inches long

I also have many other accessories available such as many
different types of microphones, HTs, HF, VHF and UHF rigs, HF
and VHF/UHF antennas, and many miscellaneous accessories.
Just too many to list here. Please e-mail your requests.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

20204. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 22:57:39 UTC
From: roger.h@comcast.net
Topic: 20196 Message: 20204

I think most are correct. What it doesn't say. In most town ordinances concerning fixtures as tower would be, needs a engin eer drawing/report of type and construction. This report and permit request would still have to be approved by city planning and the town counsel. If approved by both for construction, then it's up to you to build. At certain times during the construction the P lanning Dept would send an inspecto r to check your work for com pliance codes and safety. An when finished you have to request the inspecto r to co me back out for a complet ion in spection. I forgot to include the fees for permit/ engineer/construction/inspections. This is in Middle Tn I may be a little off either way. These actions can be different in each state and/or city. I n my county 30 se of Nashville, Tn. you have this stuff to bear for any alteration to a structure as in house/garage etc. Also for addition or alteration of a in-ground pool, above ground plastic pool, any fence any style, 6' by 6' dutch barn or larger. Almost forgot Amatuer tower. So save those Rohn drawings with the m omen t pounds downward pressur e for the engineer to see. You see the abundance of absurdity. Hams have such a kind heart, they even see beauty in metal structures. Unfortunately most other people don't. Things are different every where you go. I am not a lawyer, just a Senior Real Estate home and land Appraiser. 73, Roger, W4IV. Ok ok, I strayed off topic a little bit. so charge me a fee.!
----- Original Message -----
From: "Dan Schaaf" <dan-schaaf@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 4:57:37 PM
Subject: Re: [ham-antennas] Tower Ordinance

What is considered "useful" ?
My tower is 30 ft high and I work the world.
I have already clean sweeped T32C and have worked VK9CX on several bands.
VK9CX is halfway around the world for me.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: "Richard Solomon" < dickw1ksz@... >
To: < ham-antennas@yahoogroups.com >
Sent: Friday, October 21, 2011 5:51 PM
Subject: Re: [ham-antennas] Tower Ordinance

>I am no Lawyer, but it sounds like the tower height (including antennas) is
> limited to
> a height of less than 75 feet. And must have a 50% clearance factor over
> the height
> of the tower. I read that to mean a 60' tower must be located at least 90'
> from the
> nearest property line.
> You know, these towers can jump quite far.

>
> Sounds like an ordinance to keep folks on 100' X 100' lots from having
> anything useful
> for a tower.
>
> 73, Dick, W1KSZ
>
> On Fri, Oct 21, 2011 at 2:09 PM, Joe < nss@... > wrote:
>
>> **
>>
>>
>> Going through the local tower ordnance it states the below. What do you
>> all think it means/
>>
>> (3) Amateur radio. This ordinance
>> shall not govern the installation of any tower or
>> antenna support structure that is owned and/or
>> operated by a federally licensed amateur radio
>> operator, that is less than 75 feet in height and is
>> placed at a distance equal to or more than one and
>> one-half the height of the tower from any adjacent
>> property line.
>>
>> Joe WB9SBD
>> --
>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20205. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 23:56:12 UTC
From: Ed Stewart
Topic: 20196 Message: 20205

Makes me glad to live in a rural area with no laws controlling where I put what! I am new to this group K3SFA was my call letters I got back in 1961, am now getting ready to take the extra test next month. Ed

On 10/21/2011 06:57 PM, roger.h@... wrote:
>
> I think most are correct. What it doesn't say. In most town
> ordinances concerning fixtures as tower would be, needs a engin eer
> drawing/report of type and construction. This report and permit
> request would still have to be approved by city planning and the town
> counsel. If approved by both for construction, then it's up to you to
> build. At certain times during the construction the P lanning Dept
> would send an inspecto r to check your work for com pliance codes and
> safety. An when finished you have to request the inspecto r to co me
> back out for a complet ion in spection. I forgot to include the fees
> for permit/ engineer/construction/inspections. This is in Middle Tn
> I may be a little off either way. These actions can be different in
> each state and/or city. I n my county 30 se of Nashville, Tn. you
> have this stuff to bear for any alteration to a structure as in
> house/garage etc. Also for addition or alteration of a in-ground pool,
> above ground plastic pool, any fence any style, 6' by 6' dutch barn or
> larger. Almost forgot Amatuer tower. So save those Rohn drawings with
> the m omen t pounds downward pressur e for the engineer to see. You
> see the abundance of absurdity. Hams have such a kind heart, they even
> see beauty in metal structures. Unfortunately most other people
> don't. Things are different every where you go. I am not a lawyer,
> just a Senior Real Estate home and land Appraiser. 73, Roger, W4IV.
> Ok ok, I strayed off topic a little bit. so charge me a fee.!
> ----- Original Message -----
> From: "Dan Schaaf" <dan-schaaf@... <mailto:dan-schaaf%40att.net>>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Friday, October 21, 2011 4:57:37 PM
> Subject: Re: [ham-antennas] Tower Ordinance
>
>
>
> What is considered "useful" ?
> My tower is 30 ft high and I work the world.
> I have already clean sweeped T32C and have worked VK9CX on several bands.
> VK9CX is halfway around the world for me.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>

> ----- Original Message -----
> From: "Richard Solomon" < dickw1ksz@...
> <mailto:dickw1ksz%40gmail.com> >
> To: < ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> >
> Sent: Friday, October 21, 2011 5:51 PM
> Subject: Re: [ham-antennas] Tower Ordinance
>
> >I am no Lawyer, but it sounds like the tower height (including
> antennas) is
> > limited to
> > a height of less than 75 feet. And must have a 50% clearance factor
> over
> > the height
> > of the tower. I read that to mean a 60' tower must be located at
> least 90'
> > from the
> > nearest property line.
> > You know, these towers can jump quite far.
> >
> > Sounds like an ordinance to keep folks on 100' X 100' lots from having
> > anything useful
> > for a tower.
> >
> > 73, Dick, W1KSZ
> >
> > On Fri, Oct 21, 2011 at 2:09 PM, Joe < nss@...
> <mailto:nss%40mwt.net> > wrote:
> >
> >> **
> >>
> >>
> >> Going through the local tower ordnance it states the below. What do
> you
> >> all think it means/
> >>
> >> (3) Amateur radio. This ordinance
> >> shall not govern the installation of any tower or
> >> antenna support structure that is owned and/or
> >> operated by a federally licensed amateur radio
> >> operator, that is less than 75 feet in height and is
> >> placed at a distance equal to or more than one and
> >> one-half the height of the tower from any adjacent
> >> property line.
> >>
> >> Joe WB9SBD
> >> --
> >>
> >> The Original Rolling Ball Clock
> >> Idle Tyme

> >> Idle-Tyme.com
> >> http://www.idle-tyme.com
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >>
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go
> > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

--

[Non-text portions of this message have been removed]

20206. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 00:55:52 UTC
From: Chuck Schultz
Topic: 20196 Message: 20206

Your math leaves a little to yet figure . A 50 ft. wide lot with the tower in the center would be 25 ft from each side . This would make the maximize antenna height appox . 16ft or 2/3 of 25ft. ... Good DX Chuck Wq5B
----- Original Message -----
From: David Rogers
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 4:27 PM
Subject: Re: [ham-antennas] Tower Ordinance

Joe,

That would appear to mean that if your tower is 50 feet tall, it has to be at least 75 feet from any property line.

If you have a 50 foot wide lot, that would appear to limit the height of your antenna to (50/3)x 2 = approx. 32 feet.

Of course, I could be wrong. But that is what it seems to say.

David, WA7ZYQ

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 2:09 PM
Subject: [ham-antennas] Tower Ordinance

Going through the local tower ordnance it states the below. What do you
all think it means/

(3) Amateur radio. This ordinance
shall not govern the installation of any tower or
antenna support structure that is owned and/or
operated by a federally licensed amateur radio
operator, that is less than 75 feet in height and is
placed at a distance equal to or more than one and
one-half the height of the tower from any adjacent
property line.

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20207. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 00:59:12 UTC
From: David Rogers
Topic: 20196 Message: 20207

See my follow up message wherein I admit the error.

David, WA7ZYQ

----- Original Message -----
From: Chuck Schultz
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 5:55 PM
Subject: Re: [ham-antennas] Tower Ordinance

Your math leaves a little to yet figure . A 50 ft. wide lot with the tower in the center would be 25 ft from each side . This would make the maximize antenna height appox . 16ft or 2/3 of 25ft. ... Good DX Chuck Wq5B
----- Original Message -----
From: David Rogers
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 4:27 PM
Subject: Re: [ham-antennas] Tower Ordinance

Joe,

That would appear to mean that if your tower is 50 feet tall, it has to be at least 75 feet from any property line.

If you have a 50 foot wide lot, that would appear to limit the height of your antenna to (50/3)x 2 = approx. 32 feet.

Of course, I could be wrong. But that is what it seems to say.

David, WA7ZYQ

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 2:09 PM
Subject: [ham-antennas] Tower Ordinance

Going through the local tower ordnance it states the below. What do you
all think it means/

(3) Amateur radio. This ordinance
shall not govern the installation of any tower or
antenna support structure that is owned and/or
operated by a federally licensed amateur radio
operator, that is less than 75 feet in height and is
placed at a distance equal to or more than one and
one-half the height of the tower from any adjacent
property line.

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20208. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 01:25:03 UTC
From: Chuck Schultz
Topic: 20196 Message: 20208

I saw that after I wrote ....All laws seem to be somewhat off base when written into law by folks that have no idea what they are trying to accomplish . These laws only affect us ....how about gun control or even broader Health Care We may just need a simple law to prevent useless laws . Chuck
----- Original Message -----
From: David Rogers
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 7:59 PM
Subject: Re: [ham-antennas] Tower Ordinance

See my follow up message wherein I admit the error.

David, WA7ZYQ

----- Original Message -----
From: Chuck Schultz
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 5:55 PM
Subject: Re: [ham-antennas] Tower Ordinance

Your math leaves a little to yet figure . A 50 ft. wide lot with the tower in the center would be 25 ft from each side . This would make the maximize antenna height appox . 16ft or 2/3 of 25ft. ... Good DX Chuck Wq5B
----- Original Message -----
From: David Rogers
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 4:27 PM
Subject: Re: [ham-antennas] Tower Ordinance

Joe,

That would appear to mean that if your tower is 50 feet tall, it has to be at least 75 feet from any property line.

If you have a 50 foot wide lot, that would appear to limit the height of your antenna to (50/3)x 2 = approx. 32 feet.

Of course, I could be wrong. But that is what it seems to say.

David, WA7ZYQ

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 2:09 PM
Subject: [ham-antennas] Tower Ordinance

Going through the local tower ordnance it states the below. What do you all think it means/

(3) Amateur radio. This ordinance shall not govern the installation of any tower or antenna support structure that is owned and/or operated by a federally licensed amateur radio operator, that is less than 75 feet in height and is placed at a distance equal to or more than one and one-half the height of the tower from any adjacent property line.

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20209. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 02:07:53 UTC
From: Frank Kirschner
Topic: 20196 Message: 20209

I'm not a lawyer either, but I can't imagine that's what it means, since that's not what it says. It says that if you meet those requirements, then the local ordnance doesn't apply. If you want to exceed those requirements, then the local ordnance comes into play, and you have to abide by that. I have no idea what requirements might be in that ordnance, but you can avoid it simply by sticking to the 75 foot and set-back limitations.

73,
Frank
KF6E

On Fri, Oct 21, 2011 at 5:51 PM, Richard Solomon <dickw1ksz@...>wrote:

> I am no Lawyer, but it sounds like the tower height (including antennas) is
> limited to
> a height of less than 75 feet. And must have a 50% clearance factor over
> the height
> of the tower. I read that to mean a 60' tower must be located at least 90'
> from the
> nearest property line.
> You know, these towers can jump quite far.
>
> Sounds like an ordinance to keep folks on 100' X 100' lots from having
> anything useful
> for a tower.
>
> 73, Dick, W1KSZ
>
> On Fri, Oct 21, 2011 at 2:09 PM, Joe <nss@...> wrote:
>

[Non-text portions of this message have been removed]

20210. Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 02:16:54 UTC
From: urei
Topic: 20196 Message: 20210

Spoken like a true legislator.

--- In ham-antennas@yahoogroups.com, "Chuck Schultz" <wq5b@...> wrote:
>
> I saw that after I wrote ....All laws seem to be somewhat off base when written into law by folks that have no idea what they are trying to accomplish . These laws only affect us ....how about gun control or even broader Health Care We may just need a simple law to prevent useless laws . Chuck

20211. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 04:58:45 UTC
From: Dale H. Cole K8TS
Topic: 20196 Message: 20211

Joe--As I understand your ordinance, the law does not apply unless the tower exceeds the 75' height and is an amateur radio antenna. It is my belief (and I am no lawyer either) that if you specify the tower to be under 75' (i.e. 70') no inspector is going to climb that tower to measure the true 80' that it is. :)

I am lucky in that I have a similar ordinance, but excludes amateur and CB antennas. No permit required.

Dale K8TS

----- Original Message -----

From: "urei" <ureii@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 10:16:54 PM
Subject: [ham-antennas] Re: Tower Ordinance

Spoken like a true legislator.

--- In ham-antennas@yahoogroups.com , "Chuck Schultz" <wq5b@...> wrote:
>
> I saw that after I wrote ....All laws seem to be somewhat off base when written into law by folks that have no idea what they are trying to accomplish . These laws only affect us ....how about gun control or even broader Health Care We may just need a simple law to prevent useless laws . Chuck

[Non-text portions of this message have been removed]

20212. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 13:57:06 UTC
From: Joe
Topic: 20196 Message: 20212

I seem to agree with everyone so far on this.

Like a 50 foot tower needs to be at least 75 feet from any property
line. or at least this is how i understand it.

Now how the county came up with this is strictly amazing. I have seen
countless towers fall in videos, as well as from Rohn themselves a
letter and video of tower falling and they rarely fall out to a
distance 1/2 their height. most if not all seem to collapse.

And it is against all common sense that it can fall a distance that is
longer then it is itself. like it can jump out 1.5 times it's own
height. Thats Crazy!

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/21/2011 9:07 PM, Frank Kirschner wrote:
> I'm not a lawyer either, but I can't imagine that's what it means, since
> that's not what it says. It says that if you meet those requirements, then
> the local ordnance doesn't apply. If you want to exceed those requirements,
> then the local ordnance comes into play, and you have to abide by that. I
> have no idea what requirements might be in that ordnance, but you can avoid
> it simply by sticking to the 75 foot and set-back limitations.
>
> 73,
> Frank
> KF6E
>
> On Fri, Oct 21, 2011 at 5:51 PM, Richard Solomon<dickw1ksz@...>wrote:
>
>> I am no Lawyer, but it sounds like the tower height (including antennas) is
>> limited to
>> a height of less than 75 feet. And must have a 50% clearance factor over
>> the height
>> of the tower. I read that to mean a 60' tower must be located at least 90'
>> from the
>> nearest property line.
>> You know, these towers can jump quite far.
>>
>> Sounds like an ordinance to keep folks on 100' X 100' lots from having
>> anything useful

>> for a tower.
>>
>> 73, Dick, W1KSZ
>>
>> On Fri, Oct 21, 2011 at 2:09 PM, Joe<nss@...> wrote:
>>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20213. Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 15:30:31 UTC
From: Bryan
Topic: 20190 Message: 20213

I drive my half wavelength 20m vertical (http://www.tinyurl.com/wa7prc-vertical20m) with my SB-220. Components are chosen for the power (around 1KW). Assuming radiator Z = 2Kohm...

E = SQRT (P X Z) = 1414 Vrms = 2000 Vpk

My variable C has plate spacing that will handle > 3 KV. The fixed value porcelain RF capacitors across it are also good for 3 KV. Equally important, the tapped inductor is made using 1/4" OD soft copper tubing. Since my tapped inductor is 14T, with a tap at 3T, my radiator appears closer to 1000 ohms. I expect the voltage then is closer to 1000 Vrms (1414 Vpk). In any event, I've had zero issues for several years.

The L|C combination makes this resonant on only 20m. K6MHE wrote an article on how to use a 33' radiator on 20 & 40m: http://k6mhe.com/files/DualBandVert.pdf

I use four quarter wavelength radials. Any unbalanced radiator needs that, to prevent common mode problems. For a vertical, it works well.

vy 73,
Bryan WA7PRC

--- In ham-antennas@yahoogroups.com, AB2ZY wrote:
>
> With a half wavelength you will need a matching network as the impedence will be a few thousand ohms. You lose the ability to run much power due to the very high voltage the matching network will be subject to. Evan 100W is likely to cause issues with modestly rated components. And the matching network is likely to render the antenna a monobander.
>
> Unless there is a compelling reason to feed the antenna at the end (e.g., portable operation), most people would be better off configuring that half wavelength wire as a dipole.
>
> Or use a counterpoise of some sort...
>
> Al
> AB2ZY

20214. RE: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 15:41:43 UTC
From: KA9EGW
Topic: 20196 Message: 20214

But the ordinance doesn't specifically say "no"...sounds like a way of effectively banning towers without being noncompliant to federal law. Here in "The Democratic People's Republic Of Sharon WI" there are no bans on towers, just a max height restriction of 35 feet...[although there are houses higher than that with tripods nd TV antennas on the roof]...but the building permit process is another story here where it's illegal to change a fuse, breaker, switch or outlet in your own house without a permit.
And to think I bought here because no HOA...

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Joe
Sent: Saturday, October 22, 2011 8:57 AM
To: ham-antennas@yahoogroups.com
Cc: Frank Kirschner
Subject: Re: [ham-antennas] Tower Ordinance

I seem to agree with everyone so far on this.

Like a 50 foot tower needs to be at least 75 feet from any property line. or at least this is how i understand it.

Now how the county came up with this is strictly amazing. I have seen countless towers fall in videos, as well as from Rohn themselves a letter and video of tower falling and they rarely fall out to a distance 1/2 their height. most if not all seem to collapse.

And it is against all common sense that it can fall a distance that is longer then it is itself. like it can jump out 1.5 times it's own height. Thats Crazy!

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/21/2011 9:07 PM, Frank Kirschner wrote:
> I'm not a lawyer either, but I can't imagine that's what it means,
> since that's not what it says. It says that if you meet those
> requirements, then the local ordnance doesn't apply. If you want to
> exceed those requirements, then the local ordnance comes into play,
> and you have to abide by that. I have no idea what requirements might
> be in that ordnance, but you can avoid it simply by sticking to the 75

foot and set-back limitations.
>
> 73,
> Frank
> KF6E
>
> On Fri, Oct 21, 2011 at 5:51 PM, Richard
Solomon<dickw1ksz@...>wrote:
>
>> I am no Lawyer, but it sounds like the tower height (including
>> antennas) is limited to a height of less than 75 feet. And must have
>> a 50% clearance factor over the height of the tower. I read that to
>> mean a 60' tower must be located at least 90'
>> from the
>> nearest property line.
>> You know, these towers can jump quite far.
>>
>> Sounds like an ordinance to keep folks on 100' X 100' lots from
>> having anything useful for a tower.
>>
>> 73, Dick, W1KSZ
>>
>> On Fri, Oct 21, 2011 at 2:09 PM, Joe<nss@...> wrote:
>>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20215. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 16:26:54 UTC
From: Joe
Topic: 20196 Message: 20215

Now that's a different thought.

What if someone was to put a tower on the roof. like one of those 4
legged versions. kind of looks like an old windmill tower. No Go?

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/22/2011 10:41 AM, KA9EGW wrote:
> But the ordinance doesn't specifically say "no"...sounds like a way of
> effectively banning towers without being noncompliant to federal law. Here
> in "The Democratic People's Republic Of Sharon WI" there are no bans on
> towers, just a max height restriction of 35 feet...[although there are
> houses higher than that with tripods nd TV antennas on the roof]...but the
> building permit process is another story here where it's illegal to change a
> fuse, breaker, switch or outlet in your own house without a permit.
> And to think I bought here because no HOA...
>
> 73, Brian KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Joe
> Sent: Saturday, October 22, 2011 8:57 AM
> To: ham-antennas@yahoogroups.com
> Cc: Frank Kirschner
> Subject: Re: [ham-antennas] Tower Ordinance
>
> I seem to agree with everyone so far on this.
>
> Like a 50 foot tower needs to be at least 75 feet from any property line.
> or at least this is how i understand it.
>
> Now how the county came up with this is strictly amazing. I have seen
> countless towers fall in videos, as well as from Rohn themselves a letter
> and video of tower falling and they rarely fall out to a distance 1/2 their
> height. most if not all seem to collapse.
>
> And it is against all common sense that it can fall a distance that is
> longer then it is itself. like it can jump out 1.5 times it's own height.
> Thats Crazy!
>

> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 10/21/2011 9:07 PM, Frank Kirschner wrote:
>> I'm not a lawyer either, but I can't imagine that's what it means,
>> since that's not what it says. It says that if you meet those
>> requirements, then the local ordnance doesn't apply. If you want to
>> exceed those requirements, then the local ordnance comes into play,
>> and you have to abide by that. I have no idea what requirements might
>> be in that ordnance, but you can avoid it simply by sticking to the 75
> foot and set-back limitations.
>> 73,
>> Frank
>> KF6E
>>
>> On Fri, Oct 21, 2011 at 5:51 PM, Richard
> Solomon<dickw1ksz@...>wrote:
>>> I am no Lawyer, but it sounds like the tower height (including
>>> antennas) is limited to a height of less than 75 feet. And must have
>>> a 50% clearance factor over the height of the tower. I read that to
>>> mean a 60' tower must be located at least 90'
>>> from the
>>> nearest property line.
>>> You know, these towers can jump quite far.
>>>
>>> Sounds like an ordinance to keep folks on 100' X 100' lots from
>>> having anything useful for a tower.
>>>
>>> 73, Dick, W1KSZ
>>>
>>> On Fri, Oct 21, 2011 at 2:09 PM, Joe<nss@...> wrote:
>>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com

>> Yahoo! Groups Links
>>
>>
>>
>>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586
members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20216. Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 03:52:23 UTC
From: AB2ZY
Topic: 20190 Message: 20216

I had thought the impedance would be higher than that, at least for an end fed horizontal wire. Maybe your radial system brings the impedance down? I was specifically thinking of an end fed wire with nothing but a ground rod for earth.

Out of curiosity, what benefit does your antenna have over a vertical dipole? Additional gain? Aren't there some "unwanted" lobes in the radiation pattern from the length?

I'm not trying to be a dick, just genuinely curious.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Bryan" <bswadener@...> wrote:
>
> I drive my half wavelength 20m vertical (http://www.tinyurl.com/wa7prc-vertical20m) with my SB-220. Components are chosen for the power (around 1KW). Assuming radiator Z = 2Kohm...
>
> E = SQRT (P X Z) = 1414 Vrms = 2000 Vpk
>
> My variable C has plate spacing that will handle > 3 KV. The fixed value porcelain RF capacitors across it are also good for 3 KV. Equally important, the tapped inductor is made using 1/4" OD soft copper tubing. Since my tapped inductor is 14T, with a tap at 3T, my radiator appears closer to 1000 ohms. I expect the voltage then is closer to 1000 Vrms (1414 Vpk). In any event, I've had zero issues for several years.
>
> The L|C combination makes this resonant on only 20m. K6MHE wrote an article on how to use a 33' radiator on 20 & 40m: http://k6mhe.com/files/DualBandVert.pdf
>
> I use four quarter wavelength radials. Any unbalanced radiator needs that, to prevent common mode problems. For a vertical, it works well.
>
> vy 73,
> Bryan WA7PRC
>
> --- In ham-antennas@yahoogroups.com, AB2ZY wrote:
> >
> > With a half wavelength you will need a matching network as the impedence will be a few thousand ohms. You lose the ability to run much power due to the very high voltage the matching network will be subject to. Evan 100W is likely to cause issues with modestly rated components. And the matching network is likely to render the antenna a monobander.
> >
> > Unless there is a compelling reason to feed the antenna at the end (e.g., portable operation), most people would be better off configuring that half wavelength wire as a dipole.
> >
> > Or use a counterpoise of some sort...

> >
> > Al
> > AB2ZY
>

20217. Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 04:25:40 UTC
From: Ron Youvan
Topic: 20190 Message: 20217

Al AB2ZY wrote:

> I had thought the impedance would be higher than that, at least for an end fed horizontal wire.
> Maybe your radial system brings the impedance down? I was specifically thinking of an end fed wire
> with nothing but a ground rod for earth.

> Out of curiosity, what benefit does your antenna have over a vertical dipole? Additional gain?
> Aren't there some "unwanted" lobes in the radiation pattern from the length?

The end fed dipole antenna must be matched and can me matched to any feedline impedance without
much trouble and it need NO ground or counterpoise to work well. The matching usually reduces it to
a single band, but it also suppresses harmonics somewhat. It can be mounted vertically or horizontally.

A 1/4 wl vertical is a 37 Ohm antenna that requires a good counterpoise for good efficiency.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20218. RE: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 14:19:19 UTC
From: robert duckworth
Topic: 20190 Message: 20218

I resd these things all the time Robert ke4dyg

> To: ham-antennas@yahoogroups.com
> From: ka4inm@...
> Date: Sun, 23 Oct 2011 00:25:40 -0400
> Subject: Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna
>
> Al AB2ZY wrote:
>
> > I had thought the impedance would be higher than that, at least for an end fed horizontal wire.
> > Maybe your radial system brings the impedance down? I was specifically thinking of an end fed wire
> > with nothing but a ground rod for earth.
>
> > Out of curiosity, what benefit does your antenna have over a vertical dipole? Additional gain?
> > Aren't there some "unwanted" lobes in the radiation pattern from the length?
>
> The end fed dipole antenna must be matched and can me matched to any feedline impedance without
> much trouble and it need NO ground or counterpoise to work well. The matching usually reduces it to
> a single band, but it also suppresses harmonics somewhat. It can be mounted vertically or horizontally.
>
> A 1/4 wl vertical is a 37 Ohm antenna that requires a good counterpoise for good efficiency.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

>
>

[Non-text portions of this message have been removed]

20219. RE: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 14:22:36 UTC
From: robert duckworth
Topic: 20190 Message: 20219

i have a piece of pipe alumiun about 33 ft. I want to make a vertial antenna i have a wire vertical up would it make much difference bettween these antennas thanks Robert

> To: ham-antennas@yahoogroups.com
> From: ka4inm@...
> Date: Sun, 23 Oct 2011 00:25:40 -0400
> Subject: Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna
>
> Al AB2ZY wrote:
>
> > I had thought the impedance would be higher than that, at least for an end fed horizontal wire.
> > Maybe your radial system brings the impedance down? I was specifically thinking of an end fed wire
> > with nothing but a ground rod for earth.
>
> > Out of curiosity, what benefit does your antenna have over a vertical dipole? Additional gain?
> > Aren't there some "unwanted" lobes in the radiation pattern from the length?
>
> The end fed dipole antenna must be matched and can me matched to any feedline impedance without
> much trouble and it need NO ground or counterpoise to work well. The matching usually reduces it to
> a single band, but it also suppresses harmonics somewhat. It can be mounted vertically or horizontally.
>
> A 1/4 wl vertical is a 37 Ohm antenna that requires a good counterpoise for good efficiency.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links

>
>
>

[Non-text portions of this message have been removed]

20220. Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 15:35:57 UTC
From: Larry Tooley
Topic: 20190 Message: 20220

I think with the larger diameter pipe it will be more broad banded.
----- Original Message -----
From: robert duckworth
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 9:22 AM
Subject: RE: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

i have a piece of pipe alumiun about 33 ft. I want to make a vertial antenna i have a wire vertical up would it make much difference bettween these antennas thanks Robert

> To: ham-antennas@yahoogroups.com
> From: ka4inm@...
> Date: Sun, 23 Oct 2011 00:25:40 -0400
> Subject: Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna
>
> Al AB2ZY wrote:
>
> > I had thought the impedance would be higher than that, at least for an end fed horizontal wire.
> > Maybe your radial system brings the impedance down? I was specifically thinking of an end fed wire
> > with nothing but a ground rod for earth.
>
> > Out of curiosity, what benefit does your antenna have over a vertical dipole? Additional gain?
> > Aren't there some "unwanted" lobes in the radiation pattern from the length?
>
> The end fed dipole antenna must be matched and can me matched to any feedline impedance without
> much trouble and it need NO ground or counterpoise to work well. The matching usually reduces it to
> a single band, but it also suppresses harmonics somewhat. It can be mounted vertically or horizontally.
>
> A 1/4 wl vertical is a 37 Ohm antenna that requires a good counterpoise for good efficiency.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>
> ----------
>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20221. RE: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 15:36:24 UTC
From: jo barden
Topic: 20190 Message: 20221

Here's my take on it.

Vertical generally has lower take off angle for us mere mortals with lowish dipoles. Can be made radial free easily without reducing efficiency and it is fun to play!

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: ke4dyg@...
Date: Sun, 23 Oct 2011 10:19:19 -0400
Subject: RE: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

I resd these things all the time Robert ke4dyg

> To: ham-antennas@yahoogroups.com

> From: ka4inm@...

> Date: Sun, 23 Oct 2011 00:25:40 -0400

> Subject: Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

>

> Al AB2ZY wrote:

>

> > I had thought the impedance would be higher than that, at least for an end fed horizontal wire.

> > Maybe your radial system brings the impedance down? I was specifically thinking of an end fed wire

> > with nothing but a ground rod for earth.

>

> > Out of curiosity, what benefit does your antenna have over a vertical dipole? Additional gain?

> > Aren't there some "unwanted" lobes in the radiation pattern from the length?

>

> The end fed dipole antenna must be matched and can me matched to any feedline impedance without

> much trouble and it need NO ground or counterpoise to work well. The matching usually reduces it to

> a single band, but it also suppresses harmonics somewhat. It can be mounted vertically or horizontally.

>

> A 1/4 wl vertical is a 37 Ohm antenna that requires a good counterpoise for good efficiency.

> --

> Ron KA4INM - Did you know ...

> ... that no-one ever reads these things?

>

[Non-text portions of this message have been removed]

20222. I needed an 11 meter antenna so I made a dipole. Polarity question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 16:18:08 UTC
From: ve5mjb
Topic: 20222 Message: 20222

Hi all, as part of ARES here I wanted to cover off the 11 meter band as well. I took a trucker 4' dual whip and made a dipole. I have read that if I mount this horizontally I will have trouble with local area traffic due to polarization as the majority of people run antennas horizontially. This is a radio that will not see too much action so I do not want to erect another high visable antenna. (Keeps the neighbourhood happy)I wanted to mount this in the attic.

Does any one have any knowledge here, and if so can I acomplish an attic mount system in a different mannor?
Thanks Mark

20223. Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 16:37:27 UTC
From: Ed Stewart
Topic: 20190 Message: 20223

Hi, this is what I am working on at present.
http://www.packetradio.com/windom.htm
I JUST GOT THE 4 TO 1 BALUN AND AM GETTING IT PUT TOGETHER NOW. eD

On 10/22/2011 11:52 PM, AB2ZY wrote:
>
> I had thought the impedance would be higher than that, at least for an
> end fed horizontal wire. Maybe your radial system brings the impedance
> down? I was specifically thinking of an end fed wire with nothing but
> a ground rod for earth.
>
> Out of curiosity, what benefit does your antenna have over a vertical
> dipole? Additional gain? Aren't there some "unwanted" lobes in the
> radiation pattern from the length?
>
> I'm not trying to be a dick, just genuinely curious.
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Bryan" <bswadener@...> wrote:
> >
> > I drive my half wavelength 20m vertical
> (http://www.tinyurl.com/wa7prc-vertical20m) with my SB-220. Components
> are chosen for the power (around 1KW). Assuming radiator Z = 2Kohm...
> >
> > E = SQRT (P X Z) = 1414 Vrms = 2000 Vpk
> >
> > My variable C has plate spacing that will handle > 3 KV. The fixed
> value porcelain RF capacitors across it are also good for 3 KV.
> Equally important, the tapped inductor is made using 1/4" OD soft
> copper tubing. Since my tapped inductor is 14T, with a tap at 3T, my
> radiator appears closer to 1000 ohms. I expect the voltage then is
> closer to 1000 Vrms (1414 Vpk). In any event, I've had zero issues for
> several years.
> >
> > The L|C combination makes this resonant on only 20m. K6MHE wrote an
> article on how to use a 33' radiator on 20 & 40m:
> http://k6mhe.com/files/DualBandVert.pdf
> >
> > I use four quarter wavelength radials. Any unbalanced radiator needs
> that, to prevent common mode problems. For a vertical, it works well.
> >
> > vy 73,

> > Bryan WA7PRC
> >
> > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, AB2ZY wrote:
> > >
> > > With a half wavelength you will need a matching network as the
> impedence will be a few thousand ohms. You lose the ability to run
> much power due to the very high voltage the matching network will be
> subject to. Evan 100W is likely to cause issues with modestly rated
> components. And the matching network is likely to render the antenna a
> monobander.
> > >
> > > Unless there is a compelling reason to feed the antenna at the end
> (e.g., portable operation), most people would be better off
> configuring that half wavelength wire as a dipole.
> > >
> > > Or use a counterpoise of some sort...
> > >
> > > Al
> > > AB2ZY
> >
>
>

--

[Non-text portions of this message have been removed]

20224. Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 16:56:12 UTC
From: Larry Tooley
Topic: 20190 Message: 20224

Have one a friend built for me running East and West. It works as well as my 80/40 ARRL Trap Dipole running North and South. I switch between them for the best received signal.

----- Original Message -----
From: Ed Stewart
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 11:37 AM
Subject: Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Hi, this is what I am working on at present.
http://www.packetradio.com/windom.htm
I JUST GOT THE 4 TO 1 BALUN AND AM GETTING IT PUT TOGETHER NOW. eD

On 10/22/2011 11:52 PM, AB2ZY wrote:
>
> I had thought the impedance would be higher than that, at least for an
> end fed horizontal wire. Maybe your radial system brings the impedance
> down? I was specifically thinking of an end fed wire with nothing but
> a ground rod for earth.
>
> Out of curiosity, what benefit does your antenna have over a vertical
> dipole? Additional gain? Aren't there some "unwanted" lobes in the
> radiation pattern from the length?
>
> I'm not trying to be a dick, just genuinely curious.
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Bryan" <bswadener@...> wrote:
> >
> > I drive my half wavelength 20m vertical
> (http://www.tinyurl.com/wa7prc-vertical20m) with my SB-220. Components
> are chosen for the power (around 1KW). Assuming radiator Z = 2Kohm...
> >
> > E = SQRT (P X Z) = 1414 Vrms = 2000 Vpk
> >
> > My variable C has plate spacing that will handle > 3 KV. The fixed
> value porcelain RF capacitors across it are also good for 3 KV.
> Equally important, the tapped inductor is made using 1/4" OD soft
> copper tubing. Since my tapped inductor is 14T, with a tap at 3T, my
> radiator appears closer to 1000 ohms. I expect the voltage then is
> closer to 1000 Vrms (1414 Vpk). In any event, I've had zero issues for
> several years.

> >
> > The L|C combination makes this resonant on only 20m. K6MHE wrote an
> article on how to use a 33' radiator on 20 & 40m:
> http://k6mhe.com/files/DualBandVert.pdf
> >
> > I use four quarter wavelength radials. Any unbalanced radiator needs
> that, to prevent common mode problems. For a vertical, it works well.
> >
> > vy 73,
> > Bryan WA7PRC
> >
> > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, AB2ZY wrote:
> > >
> > > With a half wavelength you will need a matching network as the
> impedence will be a few thousand ohms. You lose the ability to run
> much power due to the very high voltage the matching network will be
> subject to. Evan 100W is likely to cause issues with modestly rated
> components. And the matching network is likely to render the antenna a
> monobander.
> > >
> > > Unless there is a compelling reason to feed the antenna at the end
> (e.g., portable operation), most people would be better off
> configuring that half wavelength wire as a dipole.
> > >
> > > Or use a counterpoise of some sort...
> > >
> > > Al
> > > AB2ZY
> >
>
>

--

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20225. Re: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 16:57:37 UTC
From: Larry Tooley
Topic: 20222 Message: 20225

I think most noise if vertical polarized so you should have a low noise antenna.
----- Original Message -----
From: ve5mjb
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 11:18 AM
Subject: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity question

Hi all, as part of ARES here I wanted to cover off the 11 meter band as well. I took a trucker 4' dual whip and made a dipole. I have read that if I mount this horizontally I will have trouble with local area traffic due to polarization as the majority of people run antennas horizontially. This is a radio that will not see too much action so I do not want to erect another high visable antenna. (Keeps the neighbourhood happy)I wanted to mount this in the attic.

Does any one have any knowledge here, and if so can I acomplish an attic mount system in a different mannor?
Thanks Mark

[Non-text portions of this message have been removed]

20226. Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 17:11:58 UTC
From: Ron Youvan
Topic: 20190 Message: 20226

Robert KE4DYG Duckworth wrote:

> I have a piece of pipe aluminum about 33 ft. I want to make a vertical antenna I have a wire vertical
> up would it make much difference between these antennas

Bandwidth will be expanded and a strong insulator must be used for support and greater guying
strength shall be needed.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20227. RE: [ham-antennas] B&W Model 370-1

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 17:36:30 UTC
From: KA9EGW
Topic: 20186 Message: 20227

All I can find is that they're a "40 meter trap". Could they be a loading coil for a short 40m dipole?
73 Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of steve_ve6vs
Sent: Monday, October 17, 2011 8:40 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] B&W Model 370-1

I have gad a set of these traps for quite a while and cannot find anything even on Google for these. I thought they were for an 80/40 antenna but they don't behave that way.

TIA & 73 Steve VE6VS

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20228. Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 19:31:56 UTC
From: Bryan
Topic: 20196 Message: 20228

Hi Joe,

Here are some things to consider. I'm in process to erect a 72' free-standing crank-up (US Tower TX-472) in unincorporated Snohomish County, WA. My lot is 100'x124' and the plan is to erect it 50' from three property lines, just behind my house. With really not all that much trouble, the permit has been OK'd and is ready to pick up.

The very first thing I did (before purchasing one stick of material or beginning the permit process) was to read 'Up The Tower' by Steve Morris K7LXC (www.championradio.com). Steve is a mostly retired tower worker. His book answered all the questions I had and some I didn't know I had. The best advice I can give is to read Steve's book before doing anything else. The picture will be much clearer afterward.

Some will poo-poo working with 'The Nanny State' and effuse that it's better to just do it and hope they won't come after you. Again, read Steve's book before you do anything. If you decide to defy local authority, you'll at least know what to expect in the way of fines, etc.

I never considered a roof-mounted tower but I believe I understand correctly that (in my locale) a roof-mounted structure has no permit requirement and no height limitation. I also believe that a permitted and engineered structure relieves me of most liability in the event of catastrophic failure. My homeowners insurance will cover me as long as the tower meets legal and engineered requirements.

I also wouldn't buy one of those roof towers (made by Glen Martin Engineering and probably others). They're VERY expensive vs what you get. In the past, a mast proved to be a more economical choice for me. A 26' tall rotating mast for my 3-el 15m yagi wasn't all that difficult to design, build and erect.

vy 73,
Bryan WA7PRC

--- Joe WB9SBD wrote:
>
> Now that's a different thought.
> What if someone was to put a tower on the roof. like one of
> those 4 legged versions. kind of looks like an old windmill
> tower. No Go?
>
> Joe WB9SBD

20229. Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 19:43:22 UTC
From: cboone@earthlink.net
Topic: 20190 Message: 20229

I must interject something here...with proper rated components, there is no need to reduce power.

If the original statement made below was correct, then none of the AM broadcasters using 1/2wl antennas would be operating..one of them, WLW in Cinci, is 50KW carrier into a 1/2wl Blaw-Knox tower....~14,400 volts of RF at the base of the tower iirc..just imagine what is was when they ran 500,000watts in the 1930s!!

A 1/2wl antenna has about 1.2db over a dipole..(remember the earth would be the other half of this full wavelength dipole..just a 1/2wl dipole is the full length of a 1/4wl vertical)..Lower radiation take off angle (until you get to 5/8wl on simple non colinear verticals)...and not really requiring a stable ground system to make radiation efficiency high as a 1/4wl or 5/8wl would require.

Chris
WB5ITT
Society of Broadcast Engineers member (and current Vice Chairman/Freq Coordinator of Chapter 134, SE TX and SW La)

Re: Feeding a Half-Wave End Fed Antenna
Posted by: "AB2ZY" akozak@... al_kozakiewicz
Date: Sat Oct 22, 2011 8:52 pm ((PDT))

I had thought the impedance would be higher than that, at least for an end fed horizontal wire. Maybe your radial system brings the impedance down? I was specifically thinking of an end fed wire with nothing but a ground rod for earth.

Out of curiosity, what benefit does your antenna have over a vertical dipole? Additional gain? Aren't there some "unwanted" lobes in the radiation pattern from the length?

I'm not trying to be a dick, just genuinely curious.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Bryan" <bswadener@...> wrote:
>
> I drive my half wavelength 20m vertical (http://www.tinyurl.com/wa7prc-vertical20m) with my SB-220. Components are chosen for the power (around 1KW). Assuming radiator Z = 2Kohm...
>
> E = SQRT (P X Z) = 1414 Vrms = 2000 Vpk
>
> My variable C has plate spacing that will handle > 3 KV. The fixed value porcelain RF capacitors across it are also good for 3 KV. Equally important, the tapped inductor is made using 1/4" OD soft copper tubing. Since my tapped inductor is 14T, with a tap at 3T, my radiator appears closer to 1000 ohms. I expect the voltage then is closer to 1000 Vrms

(1414 Vpk). In any event, I've had zero issues for several years.
>
> The L|C combination makes this resonant on only 20m. K6MHE wrote an article on how to use a 33' radiator on 20 & 40m: http://k6mhe.com/files/DualBandVert.pdf
>
> I use four quarter wavelength radials. Any unbalanced radiator needs that, to prevent common mode problems. For a vertical, it works well.
>
> vy 73,
> Bryan WA7PRC
>
> --- In ham-antennas@yahoogroups.com, AB2ZY wrote:
> >
> > With a half wavelength you will need a matching network as the impedence will be a few thousand ohms. You lose the ability to run much power due to the very high voltage the matching network will be subject to. Evan 100W is likely to cause issues with modestly rated components. And the matching network is likely to render the antenna a monobander.
> >
> > Unless there is a compelling reason to feed the antenna at the end (e.g., portable operation), most people would be better off configuring that half wavelength wire as a dipole.
> >
> > Or use a counterpoise of some sort...
> >
> > Al
> > AB2ZY
>

20230. Re: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 19:53:40 UTC
From: Stan Labinsky Jr.
Topic: 20222 Message: 20230

If you're planning to put it in your attic, fine. If eight feet is too tall for under your roof, put one pole in the closet and make a ground plane with three or four nine foot radials. Vertical polarization is a must... that's what everybody else will be using and you loose sooo much being cross polarized with local communications.

Stan

----- Original Message -----
From: ve5mjb
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 12:18 PM
Subject: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity question

Hi all, as part of ARES here I wanted to cover off the 11 meter band as well. I took a trucker 4' dual whip and made a dipole. I have read that if I mount this horizontally I will have trouble with local area traffic due to polarization as the majority of people run antennas horizontially. This is a radio that will not see too much action so I do not want to erect another high visable antenna. (Keeps the neighbourhood happy)I wanted to mount this in the attic.

Does any one have any knowledge here, and if so can I acomplish an attic mount system in a different mannor?
Thanks Mark

[Non-text portions of this message have been removed]

20231. Re: [ham-antennas] Re: Sagging Dipoles, er Slingshot

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-19 04:17:17 UTC
From: Larry Tooley
Topic: 20153 Message: 20231

I found that by using exploding rounds it is easier to see where it lands.
----- Original Message -----
From: AB2ZY
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 18, 2011 10:32 AM
Subject: [ham-antennas] Re: Sagging Dipoles, er Slingshot

If you live in one of the enlightened rust belt nanny states like NY,
safety is guaranteed by preventing Walmart from selling slingshots.

I ended up buying an EZ-Hang as an impulse purchase at Dayton a few years
ago. A lot of money for a tool I'll only use a few times in my life. It does
work, though.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> The Marksman 3060 and 3061 at WallyWorld ($9.99) and other sources is
the best for homebrew with the long wrist support and long adjustable
yolk....add a Zebco 202...$7.99. I prefer half ounce sinkers....and I add a
few inches of pink Mason twine to spot it after the launch.
>
> Just remember safety with a slingshot doing this....the entire payload
must go in the pouch if using sinker, pink twine, and if you are using a
swivel hook....If you do not follow this rule, you will have limited range
and or backfire.....safety glasses!!!!OK????
>
> Considering that the Marksman 3060/3061 has a 200 yard range at full
power, this could result in serious damage to your body. Be careful, contain
the full payload in the pouch and protect yourself. Hold the slingshot at
full arm extension. a busted band could hurt your arm, but better than
losing an eyeball.

[Non-text portions of this message have been removed]

20232. Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 19:45:28 UTC
From: Bryan
Topic: 20190 Message: 20232

As I understand it, the feedpoint impedance is governed more by the proximity of earth below it than anything else. And, ANY unbalanced feedpoint requires a ground. The lower the feedpoing impedance, the lower the ground resistance needs to be. So, for a half wavelength (Hi-Z) end-fed, the ground resistance doesn't need to be all that low.

The reason for the end-fed half wavelength vertical is purely mechanical integrity/complexity. A vertical dipole, if made from tubing, must have an insulator in the middle that can handle the bending moment caused by tilting the antenna up/down. If made using wire, the antenna requires some form of support from above, such as a support rope between the tops of two trees. In both cases, you need to find a way to bring the feedline away from the feedpoint. End-feeding the antenna resolves all of the above. Some day, I may change the feed system to make it work on 40m as well (per K6MHE's article).

In theory, a half wavelength monopole with ground plane exhibits about 2.4 dB gain over a quarter wavelength monopole. The main lobe is closer to the horizon. 5/8 wavelength gives 3dB gain.

vy 73,
Bryan WA7PRC

--- Al AB2ZY wrote:

> I had thought the impedance would be higher than that, at least for an end fed horizontal wire. Maybe your radial system brings the impedance down? I was specifically thinking of an end fed wire with nothing but a ground rod for earth.
>
> Out of curiosity, what benefit does your antenna have over a vertical dipole? Additional gain? Aren't there some "unwanted" lobes in the radiation pattern from the length?
>
> I'm not trying to be a dick, just genuinely curious.
>
> Al
> AB2ZY

20233. Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 23:07:28 UTC
From: rrath
Topic: 20233 Message: 20233

Hello to the group. What antenna would be
best to mount on a 100' long, pitched, metal
roof?

Our City Public Works Department is having a
new building built and it will have a metal roof.
The roof is a pitched roof not a flat roof. It will
also house our EOC as a secondary location
(backup location). I am thinking of a vertical in
the middle of the roof. Or should we use a
NVIS antenna or a flat mounted end fed wire
antenna? They really do not want a wire
antenna due to cosmetics. But if I use a small
wire, you would have a hard time being able
to see it. The wire would be pointing West.
The State EOC is West and slightly North.

We only need to talk about 100 miles as a
crow flies, to the State EOC; anything beyond
that is a bonus.

Your thoughts and comments needed.

Thank you.
Rod kc7vqr

20234. Re: [ham-antennas] Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 23:19:29 UTC
From: Sander Pool
Topic: 20233 Message: 20234

Hi Rod,

I don't have an answer for you but could you tell me what frequency/band your EOC uses for those types of communications and how many Watts your transmitter puts out? I imagine it might influence the answers from people who know more about it than I do.

73,

Sander W1SOP

On 10/23/2011 7:07 PM, rrath wrote:
>
> Hello to the group. What antenna would be
> best to mount on a 100' long, pitched, metal
> roof?
>

[Non-text portions of this message have been removed]

20235. Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 23:29:12 UTC
From: Ron Youvan
Topic: 20190 Message: 20235

Bryan WA7PRC wrote:

> As I understand it, the feed point impedance is governed more by the proximity of earth below it than
> anything else. And, ANY unbalanced feed point requires a ground. The lower the feed point impedance,
> the lower the ground resistance needs to be. So, for a half wavelength (Hi-Z) end-fed, the ground
> resistance doesn't need to be all that low.

The impedance of any element is effected by the impedance of whatever and what all is around it
including it's own energy being reflected back to it, and it's phase. The farther any antenna is
from everything the closer it is to it's theoretical design. (height is very good)

Not quite correct, any dipole no matter how fed is a complete antenna, anything less needs a
counterpoise of some kind to compete it. A quarter wl long wire or rod is not an antenna by itself.

> The reason for the end-fed half wavelength vertical is purely mechanical integrity/complexity. A
> vertical dipole, if made from tubing, must have an insulator in the middle that can handle the
> bending moment caused by tilting the antenna up/down. If made using wire, the antenna requires some
> form of support from above, such as a support rope between the tops of two trees. In both cases, you
> need to find a way to bring the feedline away from the feed point. End-feeding the antenna resolves
> all of the above. Some day, I may change the feed system to make it work on 40m as well (per K6MHE's
> article).

> In theory, a half wavelength monopole with ground plane exhibits about 2.4 dB gain over a quarter
> wavelength monopole. The main lobe is closer to the horizon. 5/8 wavelength gives 3dB gain.

I'm not up on that theory, but I suspect a counterpoise under a wavelength vertical will change
the pattern more than the "gain."
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20236. Re: [ham-antennas] Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 23:31:50 UTC
From: rrath
Topic: 20233 Message: 20236

After I sent the post I was thinking about that info as well.

We use 3.985 +/- as primary and 7.245 +/- as secondary. The radio out put is 100 watts.

Rod kc7vqr

20237. Re: [ham-antennas] Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 23:37:48 UTC
From: Ron Youvan
Topic: 20233 Message: 20237

Rod kc7vqr rrath wrote:

> Hello to the group. What antenna would be
> best to mount on a 100' long, pitched, metal
> roof?

Certainly one designed for the frequency that you intend operating on.
(and as high as possible)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20238. Re: [ham-antennas] Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-23 23:40:38 UTC
From: Sander Pool
Topic: 20233 Message: 20238

I'm a newbie but given that 5W radios seem to reach half way around the world with a buddipole I would think you an just clip on to some barbed wire and it'll blast 100W right past your 100 mile target. In other words I don't think the metal roof matters much. I look forward to reading replies from people who actually know this stuff. What kind of antenna does the EOC have you're trying to reach? I took a look at Comet (arbitrary) and saw this one:

(CHA-250B) http://www.cometantenna.com/newPro_detail.php?ID=234

A vertical for use from 3.5 to 57 Mhz.

73,

Sander W1SOP

On 10/23/2011 7:31 PM, rrath wrote:
>
> After I sent the post I was thinking about that
> info as well.
>
> We use 3.985 +/- as primary and 7.245 +/- as
> secondary. The radio out put is 100 watts.
>
> Rod kc7vqr
>

[Non-text portions of this message have been removed]

20241. Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 01:29:22 UTC
From: Dave
Topic: 20241 Message: 20241

More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about using open wire line as a feed method for a very long run. I vaguely recall they used some sort toroid transformer at the ends to move back to 50 ohms.

So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying around so I was thinking of maybe running an open wire line out there and use transformers at either end to convert to 50 OHms. The feed line will run about 10' off the ground (avoids getting taken down by the deer)

Questions
1) Would an open wire system like this be more subject to noise and even radiate itself?

2) What would the losses be on a 500' run using #12 at 28 MHz

3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers

4) Anyone there actually done this? War stories?

73
Dave
NR1DX

20242. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 01:41:35 UTC
From: Ron Youvan
Topic: 20241 Message: 20242

Dave NR1DX wrote:

> More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about
> using open wire line as a feed method for a very long run. I vaguely recall they used some sort
> toroid transformer at the ends to move back to 50 ohms.

> So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is
> the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of
> this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would
> only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying
> around so I was thinking of maybe running an open wire line out there and use transformers at either
> end to convert to 50 Ohms. The feed line will run about 10' off the ground (avoids getting taken
> down by the deer)

> Questions
> 1) Would an open wire system like this be more subject to noise and even radiate itself?

If kept balanced no. It is frequently good to twist it mildly.

> 2) What would the losses be on a 500' run using #12 at 28 MHz

Less than anything else, and the higher the impedance the less the losses. The insulating pegs
must tolerate the weather, that's easier to say than to do.

> 3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers

Negligible and they are called baluns, specifically 1:4, 1:6: 1:8, but the losses at 450 Ohms and
higher characteristic impedances the two baluns are not really necessary in most cases.

> 4) Anyone there actually done this? War stories?

Done every day by thousands of hams and commercial installations, it is the normal way to feed
Sterba arrays and many other huge antennas. (as in in mw & HF broadcasting)
--
Ron KA4INM - Did you know ...

... that no-one ever reads these things?

20243. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 01:46:32 UTC
From: Ed Stewart
Topic: 20241 Message: 20243

I end fed a 10 wavelength long 10 meter long wire with feedline made with no.12 single strand insulated wire using oak 6 inch 3/4 inch squared strips boiled in paraffin for a while to waterproof them and a tuner in the shack. I just drove a 1/4 by 1 inch long staple into each end of the sticks to hold the wires, worked good! The wax is a must and wood strips must be very dry when put in the wax.

On 10/23/2011 09:29 PM, Dave wrote:
>
> More years ago than I care to admit I read an article in one of the
> ham rags of the day (73?) about using open wire line as a feed method
> for a very long run. I vaguely recall they used some sort toroid
> transformer at the ends to move back to 50 ohms.
>
> So here is the good news: I live on 10 acres (300' wide 1500' long
> ..eat your heart out) bad news is the area where I'd like to put the
> antenna farm is about 500' from the shack. For the purpose of this
> exercise we are considering 160-10M operation,. I could run LMR600 at
> 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on
> the order of $1000. I have LOTS of #12 laying around so I was thinking
> of maybe running an open wire line out there and use transformers at
> either end to convert to 50 OHms. The feed line will run about 10' off
> the ground (avoids getting taken down by the deer)
>
> Questions
> 1) Would an open wire system like this be more subject to noise and
> even radiate itself?
>
> 2) What would the losses be on a 500' run using #12 at 28 MHz
>
> 3) What is the best I can hope for in the way of losses in the 50 ohm
> matching transformers
>
> 4) Anyone there actually done this? War stories?
>
> 73
> Dave
> NR1DX
>
>

--

[Non-text portions of this message have been removed]

20244. RE: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 02:02:11 UTC
From: KA9EGW
Topic: 20241 Message: 20244

Check out www.cebik.com, membership is free, for plenty of info on this topic.
73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: Sunday, October 23, 2011 8:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Very long Open Wire Line ?

More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about using open wire line as a feed method for a very long run. I vaguely recall they used some sort toroid transformer at the ends to move back to 50 ohms.

So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying around so I was thinking of maybe running an open wire line out there and use transformers at either end to convert to 50 OHms. The feed line will run about 10' off the ground (avoids getting taken down by the deer)

Questions
1) Would an open wire system like this be more subject to noise and even radiate itself?

2) What would the losses be on a 500' run using #12 at 28 MHz

3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers

4) Anyone there actually done this? War stories?

73
Dave
NR1DX

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20245. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 02:10:21 UTC
From: Dale H. Cole K8TS
Topic: 20241 Message: 20245

"eat your heart out".....some guys just like to rub it in hi hi

Dale K8TS

Note to Ron;

Yes some of us do, like you just did :)

----- Original Message -----

From: "KA9EGW" <ka9egw@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 10:02:11 PM
Subject: RE: [ham-antennas] Very long Open Wire Line ?

Check out www.cebik.com, membership is free, for plenty of info on this topic.
73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@...m [mailto: ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: Sunday, October 23, 2011 8:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Very long Open Wire Line ?

More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about using open wire line as a feed method for a very long run. I vaguely recall they used some sort toroid transformer at the ends to move back to 50 ohms.

So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying around so I was thinking of maybe running an open wire line out there and use transformers at either end to convert to 50 OHms. The feed line will run about 10' off the ground (avoids getting taken down by the deer)

Questions
1) Would an open wire system like this be more subject to noise and even radiate itself?

2) What would the losses be on a 500' run using #12 at 28 MHz

3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers

4) Anyone there actually done this? War stories?

73
Dave
NR1DX

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20246. Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 02:23:18 UTC
From: AB2ZY
Topic: 20190 Message: 20246

You gave me an epiphany!

Since efficiency is determined by the ratio of radiation resistance to Rr plus losses, you gain quite a bit of efficiency compared to feeding a radiator at a low impedance point. I knew about the mechanical limitation, but was stuck in a low impedance minset.

Thanks!

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Bryan" <bswadener@...> wrote:
>
> As I understand it, the feedpoint impedance is governed more by the proximity of earth below it than anything else. And, ANY unbalanced feedpoint requires a ground. The lower the feedpoing impedance, the lower the ground resistance needs to be. So, for a half wavelength (Hi-Z) end-fed, the ground resistance doesn't need to be all that low.
>
> The reason for the end-fed half wavelength vertical is purely mechanical integrity/complexity. A vertical dipole, if made from tubing, must have an insulator in the middle that can handle the bending moment caused by tilting the antenna up/down. If made using wire, the antenna requires some form of support from above, such as a support rope between the tops of two trees. In both cases, you need to find a way to bring the feedline away from the feedpoint. End-feeding the antenna resolves all of the above. Some day, I may change the feed system to make it work on 40m as well (per K6MHE's article).
>
> In theory, a half wavelength monopole with ground plane exhibits about 2.4 dB gain over a quarter wavelength monopole. The main lobe is closer to the horizon. 5/8 wavelength gives 3dB gain.
>
> vy 73,
> Bryan WA7PRC
>
> --- Al AB2ZY wrote:
>
> > I had thought the impedance would be higher than that, at least for an end fed horizontal wire. Maybe your radial system brings the impedance down? I was specifically thinking of an end fed wire with nothing but a ground rod for earth.
> >
> > Out of curiosity, what benefit does your antenna have over a vertical dipole? Additional gain? Aren't there some "unwanted" lobes in the radiation pattern from the length?
> >
> > I'm not trying to be a dick, just genuinely curious.
> >
> > Al

> > AB2ZY
>

20247. Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 02:32:41 UTC
From: AB2ZY
Topic: 20190 Message: 20247

I did say "modestly rated components". Broadcasters do not need frequency agility, which I would assume simplifies the variable components needed for the matching network. WLW doesn't move from 700 kHz!

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, cboone@... wrote:
>
> I must interject something here...with proper rated components, there is no need to reduce power.
>
> If the original statement made below was correct, then none of the AM broadcasters using 1/2wl antennas would be operating..one of them, WLW in Cinci, is 50KW carrier into a 1/2wl Blaw-Knox tower....~14,400 volts of RF at the base of the tower iirc..just imagine what is was when they ran 500,000watts in the 1930s!!
>

20248. MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 02:48:40 UTC
From: Dave Cole
Topic: 20190 Message: 20248

Hi,

Does anyone have a scanned manual for this device? I can't seem to locate one via Google!! If so, can you email it to me?

Thanks,
Dave
NK7Z

20249. RE: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 02:50:31 UTC
From: KA9EGW
Topic: 20241 Message: 20249

I recently reworked my system and have had good results with the Ladder Snap brand spreaders from www.73cnc.com

No commercial interest, just a very happy customer

73 de KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: Sunday, October 23, 2011 8:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Very long Open Wire Line ?

More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about using open wire line as a feed method for a very long run. I vaguely recall they used some sort toroid transformer at the ends to move back to 50 ohms.

So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying around so I was thinking of maybe running an open wire line out there and use transformers at either end to convert to 50 OHms. The feed line will run about 10' off the ground (avoids getting taken down by the deer)

Questions
1) Would an open wire system like this be more subject to noise and even radiate itself?

2) What would the losses be on a 500' run using #12 at 28 MHz

3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers

4) Anyone there actually done this? War stories?

73
Dave
NR1DX

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20250. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 02:58:15 UTC
From: Artekmedia
Topic: 20241 Message: 20250

So how long a feed line are you running?

Dave
NR1DX

On 10/23/2011 9:50 PM, KA9EGW wrote:
>
> I recently reworked my system and have had good results with the
> Ladder Snap
> brand spreaders from www.73cnc.com
>
> No commercial interest, just a very happy customer
>
> 73 de KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] On
> Behalf Of Dave
> Sent: Sunday, October 23, 2011 8:29 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Very long Open Wire Line ?
>
> More years ago than I care to admit I read an article in one of the
> ham rags
> of the day (73?) about using open wire line as a feed method for a
> very long
> run. I vaguely recall they used some sort toroid transformer at the
> ends to
> move back to 50 ohms.
>
> So here is the good news: I live on 10 acres (300' wide 1500' long ..eat
> your heart out) bad news is the area where I'd like to put the antenna
> farm
> is about 500' from the shack. For the purpose of this exercise we are
> considering 160-10M operation,. I could run LMR600 at 500 ft the loss
> would
> only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I
> have
> LOTS of #12 laying around so I was thinking of maybe running an open wire
> line out there and use transformers at either end to convert to 50
> OHms. The
> feed line will run about 10' off the ground (avoids getting taken down by

> the deer)
>
> Questions
> 1) Would an open wire system like this be more subject to noise and even
> radiate itself?
>
> 2) What would the losses be on a 500' run using #12 at 28 MHz
>
> 3) What is the best I can hope for in the way of losses in the 50 ohm
> matching transformers
>
> 4) Anyone there actually done this? War stories?
>
> 73
> Dave
> NR1DX
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20251. Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 03:34:47 UTC
From: fred
Topic: 20233 Message: 20251

I have a pitched steel roof and 3 resonant dipoles on a 33 ft push up pole so the centre of the dipoles are about 22 ft higher than the lower edge of the roof my lot is long and narrow so the wires are more or less parallel with the length of the building and spaced about 1.5 ft from the eave . using a standard wall mount pole bracket . I have not noticed any major problems caused by the close proximity of the steel roof . it is grounded by the cast iron 4 " stack , that is probably not a very good ground .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "rrath" <rrath@...> wrote:
>
> Hello to the group. What antenna would be
> best to mount on a 100' long, pitched, metal
> roof?
>
> Our City Public Works Department is having a
> new building built and it will have a metal roof.
> The roof is a pitched roof not a flat roof. It will
> also house our EOC as a secondary location
> (backup location). I am thinking of a vertical in
> the middle of the roof. Or should we use a
> NVIS antenna or a flat mounted end fed wire
> antenna? They really do not want a wire
> antenna due to cosmetics. But if I use a small
> wire, you would have a hard time being able
> to see it. The wire would be pointing West.
> The State EOC is West and slightly North.
>
> We only need to talk about 100 miles as a
> crow flies, to the State EOC; anything beyond
> that is a bonus.
>
> Your thoughts and comments needed.
>
> Thank you.
> Rod kc7vqr
>

20252. Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 03:40:29 UTC
From: fred
Topic: 20233 Message: 20252

as usual I forgot something . I run 600 watts on 20 , 40 and 80 metres .
rig is a yaesu FT950 and SB200 .
kd5pnt

--- In ham-antennas@yahoogroups.com, "rrath" <rrath@...> wrote:
>
> Hello to the group. What antenna would be
> best to mount on a 100' long, pitched, metal
> roof?
>
> Our City Public Works Department is having a
> new building built and it will have a metal roof.
> The roof is a pitched roof not a flat roof. It will
> also house our EOC as a secondary location
> (backup location). I am thinking of a vertical in
> the middle of the roof. Or should we use a
> NVIS antenna or a flat mounted end fed wire
> antenna? They really do not want a wire
> antenna due to cosmetics. But if I use a small
> wire, you would have a hard time being able
> to see it. The wire would be pointing West.
> The State EOC is West and slightly North.
>
> We only need to talk about 100 miles as a
> crow flies, to the State EOC; anything beyond
> that is a bonus.
>
> Your thoughts and comments needed.
>
> Thank you.
> Rod kc7vqr
>

20253. Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 04:12:33 UTC
From: Gregory
Topic: 20190 Message: 20253

Larry, what is the length of your end fed antenna and do you use an unun? Signals on my 63 ft end fed are lower on 80 and 40 meters than my trap dipole but about the same on 20-10. It also allows me to operate on 12 and 17 meters. Greg, K4PVA.

--- In ham-antennas@yahoogroups.com, "Larry Tooley" <wa9guu@...> wrote:
>
> Have one a friend built for me running East and West. It works as well as
> my 80/40 ARRL Trap Dipole running North and South. I switch between them
> for the best received signal.
> ----- Original Message -----
> From: Ed Stewart
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, October 23, 2011 11:37 AM
> Subject: Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna
>
>
>
> Hi, this is what I am working on at present.
> http://www.packetradio.com/windom.htm
> I JUST GOT THE 4 TO 1 BALUN AND AM GETTING IT PUT TOGETHER NOW. eD
>
> On 10/22/2011 11:52 PM, AB2ZY wrote:
> >
> > I had thought the impedance would be higher than that, at least for an
> > end fed horizontal wire. Maybe your radial system brings the impedance
> > down? I was specifically thinking of an end fed wire with nothing but
> > a ground rod for earth.
> >
> > Out of curiosity, what benefit does your antenna have over a vertical
> > dipole? Additional gain? Aren't there some "unwanted" lobes in the
> > radiation pattern from the length?
> >
> > I'm not trying to be a dick, just genuinely curious.
> >
> > Al
> > AB2ZY
> >
> > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, "Bryan" <bswadener@> wrote:
> > >
> > > I drive my half wavelength 20m vertical
> > (http://www.tinyurl.com/wa7prc-vertical20m) with my SB-220. Components
> > are chosen for the power (around 1KW). Assuming radiator Z = 2Kohm...
> > >
> > > E = SQRT (P X Z) = 1414 Vrms = 2000 Vpk

> > >
> > > My variable C has plate spacing that will handle > 3 KV. The fixed
> > value porcelain RF capacitors across it are also good for 3 KV.
> > Equally important, the tapped inductor is made using 1/4" OD soft
> > copper tubing. Since my tapped inductor is 14T, with a tap at 3T, my
> > radiator appears closer to 1000 ohms. I expect the voltage then is
> > closer to 1000 Vrms (1414 Vpk). In any event, I've had zero issues for
> > several years.
> > >
> > > The L|C combination makes this resonant on only 20m. K6MHE wrote an
> > article on how to use a 33' radiator on 20 & 40m:
> > http://k6mhe.com/files/DualBandVert.pdf
> > >
> > > I use four quarter wavelength radials. Any unbalanced radiator needs
> > that, to prevent common mode problems. For a vertical, it works well.
> > >
> > > vy 73,
> > > Bryan WA7PRC
> > >
> > > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, AB2ZY wrote:
> > > > >
> > > > With a half wavelength you will need a matching network as the
> > impedence will be a few thousand ohms. You lose the ability to run
> > much power due to the very high voltage the matching network will be
> > subject to. Evan 100W is likely to cause issues with modestly rated
> > components. And the matching network is likely to render the antenna a
> > monobander.
> > > > >
> > > > > Unless there is a compelling reason to feed the antenna at the end
> > (e.g., portable operation), most people would be better off
> > configuring that half wavelength wire as a dipole.
> > > > >
> > > > > Or use a counterpoise of some sort...
> > > > >
> > > > > Al
> > > > > AB2ZY
> > > >
> > >
> > >
> >
> > --
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> >
> >

> [Non-text portions of this message have been removed]
>

20254. Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 04:47:44 UTC
From: Larry Tooley
Topic: 20190 Message: 20254

It is really a Windom. Off center fed dipole fed with coax to a 4:1 balun
at the top.
----- Original Message -----
From: Gregory
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 11:12 PM
Subject: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Larry, what is the length of your end fed antenna and do you use an unun?
Signals on my 63 ft end fed are lower on 80 and 40 meters than my trap
dipole but about the same on 20-10. It also allows me to operate on 12 and
17 meters. Greg, K4PVA.

--- In ham-antennas@yahoogroups.com, "Larry Tooley" <wa9guu@...> wrote:
>
> Have one a friend built for me running East and West. It works as well
as
> my 80/40 ARRL Trap Dipole running North and South. I switch between them
> for the best received signal.
> ----- Original Message -----
> From: Ed Stewart
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, October 23, 2011 11:37 AM
> Subject: Re: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna
>
>
>
> Hi, this is what I am working on at present.
> http://www.packetradio.com/windom.htm
> I JUST GOT THE 4 TO 1 BALUN AND AM GETTING IT PUT TOGETHER NOW. eD
>
> On 10/22/2011 11:52 PM, AB2ZY wrote:
> >
> > I had thought the impedance would be higher than that, at least for an
> > end fed horizontal wire. Maybe your radial system brings the impedance
> > down? I was specifically thinking of an end fed wire with nothing but
> > a ground rod for earth.
> >
> > Out of curiosity, what benefit does your antenna have over a vertical
> > dipole? Additional gain? Aren't there some "unwanted" lobes in the
> > radiation pattern from the length?
> >
> > I'm not trying to be a dick, just genuinely curious.
> >
> > Al

> > AB2ZY
> >
> > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, "Bryan" <bswadener@> wrote:
> > >
> > > I drive my half wavelength 20m vertical
> > (http://www.tinyurl.com/wa7prc-vertical20m) with my SB-220. Components
> > are chosen for the power (around 1KW). Assuming radiator Z = 2Kohm...
> > >
> > > E = SQRT (P X Z) = 1414 Vrms = 2000 Vpk
> > >
> > > My variable C has plate spacing that will handle > 3 KV. The fixed
> > value porcelain RF capacitors across it are also good for 3 KV.
> > Equally important, the tapped inductor is made using 1/4" OD soft
> > copper tubing. Since my tapped inductor is 14T, with a tap at 3T, my
> > radiator appears closer to 1000 ohms. I expect the voltage then is
> > closer to 1000 Vrms (1414 Vpk). In any event, I've had zero issues for
> > several years.
> > >
> > > The L|C combination makes this resonant on only 20m. K6MHE wrote an
> > article on how to use a 33' radiator on 20 & 40m:
> > http://k6mhe.com/files/DualBandVert.pdf
> > >
> > > I use four quarter wavelength radials. Any unbalanced radiator needs
> > that, to prevent common mode problems. For a vertical, it works well.
> > >
> > > vy 73,
> > > Bryan WA7PRC
> > >
> > > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, AB2ZY wrote:
> > > >
> > > > With a half wavelength you will need a matching network as the
> > impedence will be a few thousand ohms. You lose the ability to run
> > much power due to the very high voltage the matching network will be
> > subject to. Evan 100W is likely to cause issues with modestly rated
> > components. And the matching network is likely to render the antenna a
> > monobander.
> > > > >
> > > > > Unless there is a compelling reason to feed the antenna at the end
> > (e.g., portable operation), most people would be better off
> > configuring that half wavelength wire as a dipole.
> > > > >
> > > > > Or use a counterpoise of some sort...
> > > > >
> > > > > Al
> > > > > AB2ZY
> > > >
> > >
> > >

>
> --
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20255. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 04:48:46 UTC
From: Larry Tooley
Topic: 20233 Message: 20255

How about trying to load the roof. May be a great broadband radiator.
----- Original Message -----
From: fred
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 10:40 PM
Subject: [ham-antennas] Re: Metal Roof Question

as usual I forgot something . I run 600 watts on 20 , 40 and 80 metres .
rig is a yaesu FT950 and SB200 .
kd5pnt

--- In ham-antennas@yahoogroups.com, "rrath" <rrath@...> wrote:
>
> Hello to the group. What antenna would be
> best to mount on a 100' long, pitched, metal
> roof?
>
> Our City Public Works Department is having a
> new building built and it will have a metal roof.
> The roof is a pitched roof not a flat roof. It will
> also house our EOC as a secondary location
> (backup location). I am thinking of a vertical in
> the middle of the roof. Or should we use a
> NVIS antenna or a flat mounted end fed wire
> antenna? They really do not want a wire
> antenna due to cosmetics. But if I use a small
> wire, you would have a hard time being able
> to see it. The wire would be pointing West.
> The State EOC is West and slightly North.
>
> We only need to talk about 100 miles as a
> crow flies, to the State EOC; anything beyond
> that is a bonus.
>
> Your thoughts and comments needed.
>
> Thank you.
> Rod kc7vqr
>

[Non-text portions of this message have been removed]

20256. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 05:13:17 UTC
From: roger.h@comcast.net
Topic: 20241 Message: 20256

I presently have a 80/75 meter loop at 227' from the shack. 150' of 450 ohm ladder line to 4:1 balun then LMR400 the rest of the way. Also a 145' ZEP feed with 300 ohm ladder line down to LMR 400. I'm getting the materials together to make my own ladder line. will be 600 oh m. I am also presently laying 2 150' runs of Cable TV 1/2" hardline. Plus another run of RG6/quad and burying the lmr400 with all this. Now I have to put homemade copper pipe connecters on the ends of the hardline.

You know. I might be a lot better to use the free giveaway hard line from the cable people. It's pretty low loss. I got it free and you can have if you come to TN. The connecters are simple to make. All this stuff is wearing me out. 73, Roger, W4IV

----- Original Message -----

From: "Ed Stewart" <edstewart1@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 8:46:32 PM
Subject: Re: [ham-antennas] Very long Open Wire Line ?

I end fed a 10 wavelength long 10 meter long wire with feedline made
with no.12 single strand insulated wire using oak 6 inch 3/4 inch
squared strips boiled in paraffin for a while to waterproof them and a
tuner in the shack. I just drove a 1/4 by 1 inch long staple into each
end of the sticks to hold the wires, worked good! The wax is a must and
wood strips must be very dry when put in the wax.

On 10/23/2011 09:29 PM, Dave wrote:
>
> More years ago than I care to admit I read an article in one of the
> ham rags of the day (73?) about using open wire line as a feed method
> for a very long run. I vaguely recall they used some sort toroid
> transformer at the ends to move back to 50 ohms.
>
> So here is the good news: I live on 10 acres (300' wide 1500' long
> ..eat your heart out) bad news is the area where I'd like to put the
> antenna farm is about 500' from the shack. For the purpose of this
> exercise we are considering 160-10M operation,. I could run LMR600 at
> 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on
> the order of $1000. I have LOTS of #12 laying around so I was thinking
> of maybe running an open wire line out there and use transformers at
> either end to convert to 50 OHms. The feed line will run about 10' off
> the ground (avoids getting taken down by the deer)
>
> Questions
> 1) Would an open wire system like this be more subject to noise and
> even radiate itself?
>

> 2) What would the losses be on a 500' run using #12 at 28 MHz
>
> 3) What is the best I can hope for in the way of losses in the 50 ohm
> matching transformers
>
> 4) Anyone there actually done this? War stories?
>
> 73
> Dave
> NR1DX
>
>

--

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20257. Re: [ham-antennas] B&W Model 370-1

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 05:15:25 UTC
From: roger.h@comcast.net
Topic: 20186 Message: 20257

Dip them with Dip Meter to find freq. 73, Roger

----- Original Message -----
From: "KA9EGW" <ka9egw@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 12:36:30 PM
Subject: RE: [ham-antennas] B&W Model 370-1

All I can find is that they're a "40 meter trap". Could they be a loading
coil for a short 40m dipole?
73 Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto: ham-antennas@yahoogroups.com] On
Behalf Of steve_ve6vs
Sent: Monday, October 17, 2011 8:40 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] B&W Model 370-1

I have gad a set of these traps for quite a while and cannot find anything
even on Google for these. I thought they were for an 80/40 antenna but they
don't behave that way.

TIA & 73 Steve VE6VS

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20258. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 13:55:09 UTC
From: Ron Youvan
Topic: 20233 Message: 20258

Larry Tooley wrote:

> How about trying to load the roof. May be a great broadband radiator.

Health and safety before any other consideration.
--
Ron KA4INM - Every HAM should have at least one desk MIC,
it's the perfect place to hang the cans when
CW is "arm chair copy."

20259. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 14:30:45 UTC
From: Joe
Topic: 20241 Message: 20259

And an easy way to dry the wood, is to now don't laugh, place them in
the microwave over set on a low setting. And boil out all the moisture.

be careful tho, i have still have had them char somehow, so i guess
they still could catch on fire. why or how i do not know because i was
always led to believe it is the water molecules being agitated by the
radiation that makes the heat. and once all the water is gone then
what happens?
Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/23/2011 8:46 PM, Ed Stewart wrote:
> I end fed a 10 wavelength long 10 meter long wire with feedline made
> with no.12 single strand insulated wire using oak 6 inch 3/4 inch
> squared strips boiled in paraffin for a while to waterproof them and a
> tuner in the shack. I just drove a 1/4 by 1 inch long staple into each
> end of the sticks to hold the wires, worked good! The wax is a must and
> wood strips must be very dry when put in the wax.
>
>
> On 10/23/2011 09:29 PM, Dave wrote:
>> More years ago than I care to admit I read an article in one of the
>> ham rags of the day (73?) about using open wire line as a feed method
>> for a very long run. I vaguely recall they used some sort toroid
>> transformer at the ends to move back to 50 ohms.
>>
>> So here is the good news: I live on 10 acres (300' wide 1500' long
>> ..eat your heart out) bad news is the area where I'd like to put the
>> antenna farm is about 500' from the shack. For the purpose of this
>> exercise we are considering 160-10M operation,. I could run LMR600 at
>> 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on
>> the order of $1000. I have LOTS of #12 laying around so I was thinking
>> of maybe running an open wire line out there and use transformers at
>> either end to convert to 50 OHms. The feed line will run about 10' off
>> the ground (avoids getting taken down by the deer)
>>
>> Questions
>> 1) Would an open wire system like this be more subject to noise and
>> even radiate itself?
>>
>> 2) What would the losses be on a 500' run using #12 at 28 MHz
>>

>> 3) What is the best I can hope for in the way of losses in the 50 ohm
>> matching transformers
>>
>> 4) Anyone there actually done this? War stories?
>>
>> 73
>> Dave
>> NR1DX
>>
>>

[Non-text portions of this message have been removed]

20260. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 14:29:47 UTC
From: Jay Jordan
Topic: 20233 Message: 20260

Given you want to cover a fairly small radius (1-200 miles) I would consider an antenna designed for NVIS communications . That is what the military uses for battlefield comms. There are lots designed for that purpose but the only one that comes to mind right now is the Hi Q - I have NOT used one of their antennas and I am NOT suggesting you buy that antenna , only pointing you in a direction that I believe will help. NVIS antenna cover a good 3-400 mile radius very effectively cause the signal is emitted " Near Vertical "

Hope this helps

Jay NX2C

[Non-text portions of this message have been removed]

20261. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 15:21:41 UTC
From: Weston Fryatt
Topic: 20233 Message: 20261

You may want to check out your MPE (Maximum Permissible Exposure),
before loading up your metal roof...

On 10/24/2011 8:55 AM, Ron Youvan wrote:
>
> Larry Tooley wrote:
>
> > How about trying to load the roof. May be a great broadband radiator.
>
> Health and safety before any other consideration.
> --
> Ron KA4INM - Every HAM should have at least one desk MIC,
> it's the perfect place to hang the cans when
> CW is "arm chair copy."
>
>

[Non-text portions of this message have been removed]

20262. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 15:45:40 UTC
From: dean
Topic: 20233 Message: 20262

For some antenna designs put NVIS in Google. As far as I know only 40 M, daylight, and 75/80 M, night. I have heard that 40 meters at night will go out to about 1000 miles.

73, WY6L

From: Jay Jordan
Sent: Monday, October 24, 2011 7:29 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Metal Roof Question

Given you want to cover a fairly small radius (1-200 miles) I would consider an antenna designed for NVIS communications . That is what the military uses for battlefield comms. There are lots designed for that purpose but the only one that comes to mind right now is the Hi Q - I have NOT used one of their antennas and I am NOT suggesting you buy that antenna , only pointing you in a direction that I believe will help. NVIS antenna cover a good 3-400 mile radius very effectively cause the signal is emitted " Near Vertical "

Hope this helps

Jay NX2C

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20263. Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 16:12:19 UTC
From: steve_ve6vs
Topic: 20233 Message: 20263

I work South Africa and Oceania consistently from Western Canada running 50-100 watts on 40 at night. The SATERN digital net 7065 KHz usually covers coast to coast at 0100Z. And thats with only a dipole in the big pine tree.

Antennas and bands are funny, I'm working quite a bit on 10 through my 40 meter dipole.

73 Steve VE6VS

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> For some antenna designs put NVIS in Google. As far as I know only 40 M, daylight, and 75/80 M, night. I have heard that 40 meters at night will go out to about 1000 miles.
>
> 73, WY6L
>
> From: Jay Jordan
> Sent: Monday, October 24, 2011 7:29 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: Metal Roof Question
>
>
> Given you want to cover a fairly small radius (1-200 miles) I would consider an antenna designed for NVIS communications . That is what the military uses for battlefield comms. There are lots designed for that purpose but the only one that comes to mind right now is the Hi Q - I have NOT used one of their antennas and I am NOT suggesting you buy that antenna , only pointing you in a direction that I believe will help. NVIS antenna cover a good 3-400 mile radius very effectively cause the signal is emitted " Near Vertical "
>
> Hope this helps
>
> Jay NX2C
>
> ------------------------------
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20264. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 16:50:23 UTC
From: Artekmedia
Topic: 20241 Message: 20264

Joe: Actually any number of organic compounds can be excited by microwaves , not just water.... The out-gassing of moisture from wood is a very slow process since wood is relatively impermeable to begin with. Well actually as I think about it wood is "designed" to pass moisture in the z-axis (sap flowing in the tree) but not at all in the X & Y axis ..takes a relatively LONG time to thoroughly dry wood.
A safer way is to dry the wood spacers in the xyl's oven over night at around 160-180 F. The next night you can submerge them in a tray (go to Goodwill dont use the XYL's good baking stuff) with the paraffin over night at the same temperature.

ALL: The article I vaguely recall in the original post used a 4 wire system instead of two ...besides possible reduction in I/R losses what are the other advantages of this approach? Open wire seems pretty low loss to begin with

Brian: I looked (and registered) at www.cebik.com.. But found the site a little dysfunctional to navigate (kind of like running a maze) and nothing useful on the design, care, feeding and maintenance of really long (500+) feed line systems popped up in the search engine , mostly routine stuff about feeding dipoles with relatively short (100') feeders.

Dave
NR1DX

On 10/24/2011 9:30 AM, Joe wrote:
>
> And an easy way to dry the wood, is to now don't laugh, place them in
> the microwave over set on a low setting. And boil out all the moisture.
>
> be careful tho, i have still have had them char somehow, so i guess
> they still could catch on fire. why or how i do not know because i was
> always led to believe it is the water molecules being agitated by the
> radiation that makes the heat. and once all the water is gone then
> what happens?
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 10/23/2011 8:46 PM, Ed Stewart wrote:
> > I end fed a 10 wavelength long 10 meter long wire with feedline made
> > with no.12 single strand insulated wire using oak 6 inch 3/4 inch
> > squared strips boiled in paraffin for a while to waterproof them and a

> > tuner in the shack. I just drove a 1/4 by 1 inch long staple into each
> > end of the sticks to hold the wires, worked good! The wax is a must and
> > wood strips must be very dry when put in the wax.
> >
> >
> > On 10/23/2011 09:29 PM, Dave wrote:
> >> More years ago than I care to admit I read an article in one of the
> >> ham rags of the day (73?) about using open wire line as a feed method
> >> for a very long run. I vaguely recall they used some sort toroid
> >> transformer at the ends to move back to 50 ohms.
> >>
> >> So here is the good news: I live on 10 acres (300' wide 1500' long
> >> ..eat your heart out) bad news is the area where I'd like to put the
> >> antenna farm is about 500' from the shack. For the purpose of this
> >> exercise we are considering 160-10M operation,. I could run LMR600 at
> >> 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on
> >> the order of $1000. I have LOTS of #12 laying around so I was thinking
> >> of maybe running an open wire line out there and use transformers at
> >> either end to convert to 50 OHms. The feed line will run about 10' off
> >> the ground (avoids getting taken down by the deer)
> >>
> >> Questions
> >> 1) Would an open wire system like this be more subject to noise and
> >> even radiate itself?
> >>
> >> 2) What would the losses be on a 500' run using #12 at 28 MHz
> >>
> >> 3) What is the best I can hope for in the way of losses in the 50 ohm
> >> matching transformers
> >>
> >> 4) Anyone there actually done this? War stories?
> >>
> >> 73
> >> Dave
> >> NR1DX
> >>
> >>
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20265. AW: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 17:00:24 UTC
From: Siegfried Jackstien
Topic: 20241 Message: 20265

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dave
> Gesendet: Montag, 24. Oktober 2011 01:29
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Very long Open Wire Line ?
>
>
>
> More years ago than I care to admit I read an article in one of the ham
> rags of the day (73?) about using open wire line as a feed method for a
> very long run. I vaguely recall they used some sort toroid transformer at
> the ends to move back to 50 ohms.
>
> So here is the good news: I live on 10 acres (300' wide 1500' long ..eat
> your heart out) bad news is the area where I'd like to put the antenna
> farm is about 500' from the shack. For the purpose of this exercise we are
> considering 160-10M operation,. I could run LMR600 at 500 ft the loss
> would only be 1.5 db at 28MHZ but the cost would be on the order of $1000.
> I have LOTS of #12 laying around so I was thinking of maybe running an
> open wire line out there and use transformers at either end to convert to
> 50 OHms. The feed line will run about 10' off the ground (avoids getting
> taken down by the deer)
>
> Questions
> 1) Would an open wire system like this be more subject to noise and even
> radiate itself?
>
> 2) What would the losses be on a 500' run using #12 at 28 MHz
>
> 3) What is the best I can hope for in the way of losses in the 50 ohm
> matching transformers
>
> 4) Anyone there actually done this? War stories?
>
> 73
> Dave
> NR1DX
>

A well balanced ladderline does not radiate and does not pick up more noise as a coax .... (my findings are that sometimes it is the other way around!!)

Losses??? In balanced line??? On a 160m run??? On 10m?? ... answer NOT NOTICEABLE .... lower as the best coax you can buy!!!

No matching transformer on both sides!!
On antenna side connect direct (I would recommend a big loop)

On shack end: a balanced tuner ... coax in/ balanced out
Best is a balanced tuner with balun at the input side ...
But you can also use an unbalanced tuner with balun at the output side (but with a bit higher losses!)

Dg9bfc
Sigi

>
>
>

20266. Re: AW: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 17:14:41 UTC
From: Artekmedia
Topic: 20241 Message: 20266

Sigi

Tel me more about your actual "findings" ...With noise picked up and
radiation from the line...how long was / is your run

Dave

<SNIP>
>
> > Questions
> > 1) Would an open wire system like this be more subject to noise and even
> > radiate itself?
> <SNIP>
> >
>
> A well balanced ladderline does not radiate and does not pick up more
> noise
> as a coax .... (my findings are that sometimes it is the other way
> around!!)
> <SNIP>
>

> Dg9bfc
> Sigi
>
> >
> >
> >
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20267. Halfwave end fed antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 17:18:07 UTC
From: xzs5ham
Topic: 20267 Message: 20267

Hi & first post to the group - I've been following the halfwave feeding saga & think some members might be interested in a design that was very popular in South Africa (& maybe still is)- google for "ZS6U minishack special" & you can find reprints of the construction article from Radio ZS magazine with all the theory regarding matching & antenna lengths. This is a pre WARC band design using a simple L match & needs no radials except on the lowest operating band on which it's a 1/4 wave & requires 1 or 2 radials. Worked loads of dx using it - in the article its shown as an inverted vee but works fine as a straight wire sloper too & used to run it in stealth mode from a 4th floor apartment window to a tree below. The tuner withstood 400w from my old G2DAF linear so what the RF KV was at the feedpoint is anyones guess? - RF in the shack using QRO is the only problem but but can be got around.
WARC bands too?-possible with the correct ATU coil taps plus a few radials might be required as the feedpoint will be lower impedance on these bands.
Jerry G4GGZ ex ZS5YH

20268. Re: AW: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 17:34:20 UTC
From: Joe
Topic: 20241 Message: 20268

I agree with Sig,

The nature of open line is it is self shielding, (as long as it is balanced) if there is an unbalance in the system then you open it to many questionable happenings.

But think until recently all TV was 300 ohm open line. It still has less loss than any coax out there. You just need to make sure you know how to use it correctly.

I remember a neighbor put up a 60 foot tower to get better TV. And complained that he had a better picture with his rabbit ears on top of the TV. When i came over it was easily seen what he did wrong. He did use 300 ohm twin lead as the antennas were that feed style. and he very neatly every two feet or so neatly taped the twin lead along the leg of the tower. it all was a very pretty job. he he he..

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/24/2011 12:14 PM, Artekmedia wrote:
> Sigi
>
> Tel me more about your actual "findings" ...With noise picked up and
> radiation from the line...how long was / is your run
>
> Dave
>
>
>
> <SNIP>
>>> Questions
>>> 1) Would an open wire system like this be more subject to noise and even
>>> radiate itself?
>> <SNIP>
>> A well balanced ladderline does not radiate and does not pick up more
>> noise
>> as a coax .... (my findings are that sometimes it is the other way
>> around!!)
>> <SNIP>
>>
>> Dg9bfc

>> Sigi
>>
>>>
>>>
>>

[Non-text portions of this message have been removed]

20269. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 19:38:32 UTC
From: Ken Burchfield
Topic: 20241 Message: 20269

Dave:

Here is the index for 73's maybe you can "spot" the article.
 There is a group for 73's
http://groups.yahoo.com/group/73Magazine
73 Ken

 PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Dave <nr1dx@arrl.net>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 8:29 PM
Subject: [ham-antennas] Very long Open Wire Line ?

More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about using open wire line as a feed method for a very long run. I vaguely recall they used some sort toroid transformer at the ends to move back to 50 ohms.

So here is the good
news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying around so I was thinking of maybe running an open wire line out there and use transformers at either end to convert to 50 OHms. The feed line will run about 10' off the ground (avoids getting taken down by the deer)

Questions
1) Would an open wire system like this be more subject to noise and even radiate itself?

2) What would the losses be on a 500' run using #12 at 28 MHz

3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers

4) Anyone there actually done this? War
stories?

73
Dave
NR1DX

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20270. wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 22:06:33 UTC
From: jeffrey l
Topic: 20270 Message: 20270

I currently use a doublet 130 ft long 21 ft up, and fed with open line , This is fine for local , out to 1200 miles but noise levels can be a major issue.

I am thinking of a loop antenna and due to the size of the backyard 45' x 36' , i think i should be able to get a 7Mhz full wave loop up to about 21'-24' above ground.

I currently use an MFJ 491D tuner, and I have 3 HF sets, ICOM 718&AUTO TUNE(belongs to No1 son), KENWOOD TS520S, and A YEASU FT77, these are set up so that I can switch them into the antenna circuit as I wish.

Will the 7Mhz loop tune down to 3.5Mhz and up to 10Mhz ???

Jeff
VK4 FNRS

20271. Re: [ham-antennas] wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 22:09:58 UTC
From: Jojo Vicencio DU1VHY
Topic: 20270 Message: 20271

Jeff,
We have a 40 meter loop at about 25 ft and it had no problem tuning to the higher frequencies up to ten meters but we did not give a try to tune down to 80. We used a ts570d and the AT of the radio was sufficient enough.

73,

jojo

Jojo Vicencio - DU1VHY
http://www.picasaweb.com/mob3mc
http://www.dw1olv.multiply.com
+639178501759
+6325020674

From: jeffrey l <jc_2aussie@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 25, 2011 6:06 AM
Subject: [ham-antennas] wire loop antenna.

I currently use a doublet 130 ft long 21 ft up, and fed with open line , This is fine for local , out to 1200 miles but noise levels can be a major issue.

I am thinking of a loop antenna and due to the size of the backyard 45' x 36' , i think i should be able to get a 7Mhz full wave loop up to about 21'-24' above ground.

I currently use an MFJ 491D tuner, and I have 3 HF sets, ICOM 718&AUTO TUNE(belongs to No1 son), KENWOOD TS520S, and A YEASU FT77, these are set up so that I can switch them into the antenna circuit as I wish.

Will the 7Mhz loop tune down to 3.5Mhz and up to 10Mhz ???

Jeff
VK4 FNRS

[Non-text portions of this message have been removed]

20272. RE: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 22:52:32 UTC
From: KA9EGW
Topic: 20241 Message: 20272

Not that long, about 40 feet.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Artekmedia
Sent: Sunday, October 23, 2011 9:58 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Very long Open Wire Line ?

So how long a feed line are you running?

Dave
NR1DX

On 10/23/2011 9:50 PM, KA9EGW wrote:
>
> I recently reworked my system and have had good results with the
> Ladder Snap brand spreaders from www.73cnc.com
>
> No commercial interest, just a very happy customer
>
> 73 de KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Dave
> Sent: Sunday, October 23, 2011 8:29 PM
> To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Very long Open Wire Line ?
>
> More years ago than I care to admit I read an article in one of the
> ham rags of the day (73?) about using open wire line as a feed method
> for a very long run. I vaguely recall they used some sort toroid
> transformer at the ends to move back to 50 ohms.
>
> So here is the good news: I live on 10 acres (300' wide 1500' long
> ..eat your heart out) bad news is the area where I'd like to put the
> antenna farm is about 500' from the shack. For the purpose of this
> exercise we are considering 160-10M operation,. I could run LMR600 at
> 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on
> the order of $1000. I have LOTS of #12 laying around so I was thinking
> of maybe running an open wire line out there and use transformers at
> either end to convert to 50 OHms. The feed line will run about 10' off

> the ground (avoids getting taken down by the deer)
>
> Questions
> 1) Would an open wire system like this be more subject to noise and
> even radiate itself?
>
> 2) What would the losses be on a 500' run using #12 at 28 MHz
>
> 3) What is the best I can hope for in the way of losses in the 50 ohm
> matching transformers
>
> 4) Anyone there actually done this? War stories?
>
> 73
> Dave
> NR1DX
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT
permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20273. Re: Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 23:44:51 UTC
From: fred
Topic: 20241 Message: 20273

maybe the spreaders can be made from fibreglass rod or the smallest pvc pipe you can find . have never tried it so have no idea how well it will work .
kd5pnt

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Dave NR1DX wrote:
>
> > More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about
> > using open wire line as a feed method for a very long run. I vaguely recall they used some sort
> > toroid transformer at the ends to move back to 50 ohms.
>
> > So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is
> > the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of
> > this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would
> > only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying
> > around so I was thinking of maybe running an open wire line out there and use transformers at either
> > end to convert to 50 Ohms. The feed line will run about 10' off the ground (avoids getting taken
> > down by the deer)
>
> > Questions
> > 1) Would an open wire system like this be more subject to noise and even radiate itself?
>
> If kept balanced no. It is frequently good to twist it mildly.
>
> > 2) What would the losses be on a 500' run using #12 at 28 MHz
>
> Less than anything else, and the higher the impedance the less the losses. The insulating pegs
> must tolerate the weather, that's easier to say than to do.
>
> > 3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers
>
> Negligible and they are called baluns, specifically 1:4, 1:6: 1:8, but the losses at 450 Ohms and

> higher characteristic impedances the two baluns are not really necessary in most cases.
>
> > 4) Anyone there actually done this? War stories?
>
> Done every day by thousands of hams and commercial installations, it is the normal way to feed
> Sterba arrays and many other huge antennas. (as in in mw & HF broadcasting)
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

20274. Re: [ham-antennas] MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-24 23:48:33 UTC
From: Ken Burchfield
Topic: 20190 Message: 20274

Nope. here is schematic:?http://www.ve2azx.net/technical/MFJ_201.gif
73
Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Dave Cole <dave@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 9:48 PM
Subject: [ham-antennas] MFJ-206 Antenna Current Meter

Hi,

Does anyone have a scanned manual for this device? I can't seem to
locate one via Google!! If so, can you email it to me?

Thanks,
Dave
NK7Z

[Non-text portions of this message have been removed]

20275. RE: [ham-antennas] wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 00:28:30 UTC
From: Richard Schmuke
Topic: 20270 Message: 20275

IMHO, a 40M loop will work great on some higher bands. Below is a chart of my 80M size loop. You can see that all the HF bands come within a reasonable point of resonance. Looking at a 40M size it shows 10,15 and 20 are even numbers. 12&17M come in as .5 and wont tune as well. I run a 80 size loop , tweaked to 20M and get great gain on the upper bands. A 40M loop is not easy to tune to 80M

Loop Dimensions

14.2 Loop

X

Overall Length Ft

10M

12M

15M

17M

20M

40M

80M

1005/F MHz

70.770

2

141.540

4

3.5

3

2.5

2

1

0.5

70.770

3

212.310

6

5.3

4.5

3.8

3

1.5

0.8

70.770

4

283.080

8X

7X

6X

5X

4X

2X

1X

70.770

5

353.850

10

8.8

7.5

6.4

5

2.5

1.3

70.770

6

424.620

12

10.6

9

7.6

6

3

1.6

Rich , Kd0zz

Subject: [ham-antennas] wire loop antenna.

Will the 7Mhz loop tune down to 3.5Mhz and up to 10Mhz ???

Jeff
VK4 FNRS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20276. Re: [ham-antennas] MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 00:53:44 UTC
From: Dave Cole
Topic: 20190 Message: 20276

Hi,

Thank you for the info... It is odd, that almost everything has a
manual on the net, but this device...

Thanks,
Dave
NK7Z

====================CUT==================
On Mon, 24 Oct 2011 16:48:33 -0700 (PDT)
Ken Burchfield <k5jxl@...> wrote:

> Nope. here is schematic:?http://www.ve2azx.net/technical/MFJ_201.gif
> 73
> Ken
>
>
> PacketRadio is Still
> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
>
>
>
> _____
> From: Dave Cole <dave@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, October 23, 2011 9:48 PM
> Subject: [ham-antennas] MFJ-206 Antenna Current Meter
>
> Hi,
>
> Does anyone have a scanned manual for this device? I can't seem to
> locate one via Google!! If so, can you email it to me?
>
> Thanks,
> Dave
> NK7Z
>
>
> ------------------------------------
>
> [Non-text portions of this message have been removed]
>
>
>

> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com Unsubscribe:
> ham-antennas-unsubscribe@yahoogroups.com List owner:
> ham-antennas-owner@yahoogroups.com Yahoo! Groups Links
>
>
>

==========END CUT==========

--
This is an Uzi... This is an Uzi on full auto, any questions?
Dave

20277. Re: wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 01:20:11 UTC
From: dcb6759
Topic: 20270 Message: 20277

Rich, could you please try a different Format -- This doesn't come out correctly on my machine.

Dennis, N5OTH

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> IMHO, a 40M loop will work great on some higher bands. Below is a chart of my 80M size loop. You can see that all the HF bands come within a reasonable point of resonance. Looking at a 40M size it shows 10,15 and 20 are even numbers. 12&17M come in as .5 and wont tune as well. I run a 80 size loop , tweaked to 20M and get great gain on the upper bands. A 40M loop is not easy to tune to 80M
>
>
>
>
> Loop Dimensions
>
>
>
>
> 14.2 Loop
>
> X
>
> Overall Length Ft
>
> 10M
>
> 12M
>
> 15M
>
> 17M
>
> 20M
>
> 40M
>
> 80M
>
>
> 1005/F MHz
>
> 70.770

>
> 2
>
> 141.540
>
> 4
>
> 3.5
>
> 3
>
> 2.5
>
> 2
>
> 1
>
> 0.5
>
>
> 70.770
>
> 3
>
> 212.310
>
> 6
>
> 5.3
>
> 4.5
>
> 3.8
>
> 3
>
> 1.5
>
> 0.8
>
>
> 70.770
>
> 4
>
> 283.080
>
> 8X
>
> 7X

>
> 6X
>
> 5X
>
> 4X
>
> 2X
>
> 1X
>
>
> 70.770
>
> 5
>
> 353.850
>
> 10
>
> 8.8
>
> 7.5
>
> 6.4
>
> 5
>
> 2.5
>
> 1.3
>
>
> 70.770
>
> 6
>
> 424.620
>
> 12
>
> 10.6
>
> 9
>
> 7.6
>
> 6
>
> 3

>
> 1.6
>
>
>
> Rich , Kd0zz
>
>
> Subject: [ham-antennas] wire loop antenna.
>
>
> Will the 7Mhz loop tune down to 3.5Mhz and up to 10Mhz ???
>
> Jeff
> VK4 FNRS
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20278. RE: [ham-antennas] Re: wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 02:15:16 UTC
From: Richard Schmuke
Topic: 20270 Message: 20278

Opps, it looks like junk. I copied a Excel spread sheet of mine and did a copy & paste. Can you read Excel , I can send you the original direct. The basic information is
1X loop is a 100 Ohm antenna , a 2X loop and larger close to 200 Ohm

2X in length loop, or greater can be matched with 50 Ohm coax and a 4:1 Balun if
the overall length of the loop is a multiple of the length at that frequency

Even Multipliers will make it a resonate antenna, A 4X and 8X loop will match
the most bands when used with a 4:1 Balun

With the correct resonate length of the antenna no tuner adjustment is needed
on the 7 bands.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of dcb6759
Sent: Monday, October 24, 2011 8:20 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: wire loop antenna.

Rich, could you please try a different Format -- This doesn't come out correctly on my machine.

Dennis, N5OTH

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> IMHO, a 40M loop will work great on some higher bands. Below is a chart of my 80M size loop. You can see that all the HF bands come within a reasonable point of resonance. Looking at a 40M size it shows 10,15 and 20 are even numbers. 12&17M come in as .5 and wont tune as well. I run a 80 size loop , tweaked to 20M and get great gain on the upper bands. A 40M loop is not easy to tune to 80M

Overrall Length Ft 10M 12M 15M 17M 20M 40M
80M
70.770 2 141.540 4 3.5 3 2.5 2 1
0.5
70.770 3 212.310 6 5.3 4.5 3.8 3 1.5
0.8
70.770 4 283.080 8X 7X 6X 5X 4X 2X
1X
70.770 5 353.850 10 8.8 7.5 6.4 5 2.5
1.3

70.770 6 424.620 12 10.6 9 7.6 6 3
1.6
70.770 7 495.390 14 12.3 10.5 8.9 7 3.5
1.8
70.770 8 566.160 16X 14X 12X 10X 8X 4X
2X

20279. Re: [ham-antennas] wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 04:56:00 UTC
From: roger.h@comcast.net
Topic: 20270 Message: 20279

Hello Jeff

Loading a 40 meter loop on 80 causes ineffe icency. The only way I would do it would be to take the coax connector off and short the ground to hot and load. Or just load inner conducter of coax and let other side be open and feed as a long wire.

----- Original Message -----

From: "jeffrey l" <jc_2aussie@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, October 24, 2011 5:06:33 PM
Subject: [ham-antennas] wire loop antenna.

I currently use a doublet 130 ft long 21 ft up, and fed with open line , This is fine for local , out to 1200 miles but noise levels can be a major issue.

I am thinking of a loop antenna and due to the size of the backyard 45' x 36' , i think i should be able to get a 7Mhz full wave loop up to about 21'-24' above ground.

I currently use an MFJ 491D tuner, and I have 3 HF sets, ICOM 718&AUTO TUNE(belongs to No1 son), KENWOOD TS520S, and A YEASU FT77, these are set up so that I can switch them into the antenna circuit as I wish.

Will the 7Mhz loop tune down to 3.5Mhz and up to 10Mhz ???

Jeff
VK4 FNRS

[Non-text portions of this message have been removed]

20280. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 09:38:32 UTC
From: Larry Tooley
Topic: 20241 Message: 20280

The trick to keep open wire line noise free is to twist it about once a foot. The noises then cancel out. The old 300 ohm TV twin leads were always twisted if installed right. The 2nd advantage is the line doesn't sail in the wind as bad.

----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 8:41 PM
Subject: Re: [ham-antennas] Very long Open Wire Line ?

Dave NR1DX wrote:

> More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about
> using open wire line as a feed method for a very long run. I vaguely recall they used some sort
> toroid transformer at the ends to move back to 50 ohms.

> So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is
> the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of
> this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would
> only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying
> around so I was thinking of maybe running an open wire line out there and use transformers at either
> end to convert to 50 Ohms. The feed line will run about 10' off the ground (avoids getting taken
> down by the deer)

> Questions
> 1) Would an open wire system like this be more subject to noise and even radiate itself?

If kept balanced no. It is frequently good to twist it mildly.

> 2) What would the losses be on a 500' run using #12 at 28 MHz

Less than anything else, and the higher the impedance the less the losses. The insulating pegs
must tolerate the weather, that's easier to say than to do.

> 3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers

Negligible and they are called baluns, specifically 1:4, 1:6: 1:8, but the losses at 450 Ohms and
higher characteristic impedances the two baluns are not really necessary in most cases.

> 4) Anyone there actually done this? War stories?

Done every day by thousands of hams and commercial installations, it is the normal way to feed
Sterba arrays and many other huge antennas. (as in in mw & HF broadcasting)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

20281. Re: [ham-antennas] Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 09:46:27 UTC
From: Larry Tooley
Topic: 20233 Message: 20281

Have two friends in town that use the Comet. It is an outstanding low angle, uncomplicated verticle. They are working DX very well world wide.
----- Original Message -----
From: Sander Pool
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 6:40 PM
Subject: Re: [ham-antennas] Metal Roof Question

I'm a newbie but given that 5W radios seem to reach half way around the world with a buddipole I would think you an just clip on to some barbed wire and it'll blast 100W right past your 100 mile target. In other words I don't think the metal roof matters much. I look forward to reading replies from people who actually know this stuff. What kind of antenna does the EOC have you're trying to reach? I took a look at Comet (arbitrary) and saw this one:

(CHA-250B) http://www.cometantenna.com/newPro_detail.php?ID=234

A vertical for use from 3.5 to 57 Mhz.

73,

Sander W1SOP

On 10/23/2011 7:31 PM, rrath wrote:
>
> After I sent the post I was thinking about that
> info as well.
>
> We use 3.985 +/- as primary and 7.245 +/- as
> secondary. The radio out put is 100 watts.
>
> Rod kc7vqr
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20282. Re: AW: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 10:32:25 UTC
From: Larry Tooley
Topic: 20241 Message: 20282

That is one way to get NO noise. ROFLOL
----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Cc: Artekmedia
Sent: Monday, October 24, 2011 12:34 PM
Subject: Re: AW: [ham-antennas] Very long Open Wire Line ?

I agree with Sig,

The nature of open line is it is self shielding, (as long as it is balanced) if there is an unbalance in the system then you open it to many questionable happenings.

But think until recently all TV was 300 ohm open line. It still has less loss than any coax out there. You just need to make sure you know how to use it correctly.

I remember a neighbor put up a 60 foot tower to get better TV. And complained that he had a better picture with his rabbit ears on top of the TV. When i came over it was easily seen what he did wrong. He did use 300 ohm twin lead as the antennas were that feed style. and he very neatly every two feet or so neatly taped the twin lead along the leg of the tower. it all was a very pretty job. he he he..

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 10/24/2011 12:14 PM, Artekmedia wrote:
> Sigi
>
> Tel me more about your actual "findings" ...With noise picked up and
> radiation from the line...how long was / is your run
>
> Dave
>
>
>
> <SNIP>
>>> Questions
>>> 1) Would an open wire system like this be more subject to noise and
even
>>> radiate itself?

>> <SNIP>
>> A well balanced ladderline does not radiate and does not pick up more
>> noise
>> as a coax .... (my findings are that sometimes it is the other way
>> around!!)
>> <SNIP>
>>
>> Dg9bfc
>> Sigi
>>
>>>
>>>
>>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20283. Re: [ham-antennas] Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 11:43:42 UTC
From: Frank Kirschner
Topic: 20233 Message: 20283

It seems to me that a metal roof would provide an optimum location for a screwdriver-type antenna like the TarHeel or something similar. I used a KJ7U antenna with a few radials on the ground, and it did very well. I worked 24 states in about an hour on 160, and made many contacts across the HF band. On 160, I swapped the 72" whip for a ten-foot collapsible whip from MFJ for greater efficiency and easier tuning.

Up on the roof, with all that metal as a ground, I would think a short vertical would do very well.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

20284. Re: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 11:49:46 UTC
From: Larry Tooley
Topic: 20241 Message: 20284

Thanks, Dave. I just joined the 73 newsletter.
----- Original Message -----
From: Ken Burchfield
To: ham-antennas@yahoogroups.com
Sent: Monday, October 24, 2011 2:38 PM
Subject: Re: [ham-antennas] Very long Open Wire Line ?

Dave:

Here is the index for 73's maybe you can "spot" the article.
There is a group for 73's
http://groups.yahoo.com/group/73Magazine
73 Ken

PacketRadio is Still
Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

_____
From: Dave <nr1dx@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, October 23, 2011 8:29 PM
Subject: [ham-antennas] Very long Open Wire Line ?

More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about using open wire line as a feed method for a very long run. I vaguely recall they used some sort toroid transformer at the ends to move back to 50 ohms.

So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying around so I was thinking of maybe running an open wire line out there and use transformers at either end to convert to 50 OHms. The feed line will run about 10' off the ground (avoids getting taken down by the deer)

Questions
1) Would an open wire system like this be more subject to noise and even radiate itself?

2) What would the losses be on a 500' run using #12 at 28 MHz

3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers

4) Anyone there actually done this? War
stories?

73
Dave
NR1DX

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20285. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 11:56:18 UTC
From: Larry Tooley
Topic: 20233 Message: 20285

Good point. May create a lot of BCI TVI and other interference to modern
solid state items.
----- Original Message -----
From: Weston Fryatt
To: ham-antennas@yahoogroups.com
Sent: Monday, October 24, 2011 10:21 AM
Subject: Re: [ham-antennas] Re: Metal Roof Question

You may want to check out your MPE (Maximum Permissible Exposure),
before loading up your metal roof...

On 10/24/2011 8:55 AM, Ron Youvan wrote:
>
> Larry Tooley wrote:
>
> > How about trying to load the roof. May be a great broadband radiator.
>
> Health and safety before any other consideration.
> --
> Ron KA4INM - Every HAM should have at least one desk MIC,
> it's the perfect place to hang the cans when
> CW is "arm chair copy."
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20286. Re: wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 12:42:16 UTC
From: jeffrey lord
Topic: 20270 Message: 20286

I am going to feed with open wire , do not like coax due to loss it incurs,

I still have to make & mount the extra 2 supports, required.

[Non-text portions of this message have been removed]

20287. Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 12:53:24 UTC
From: pchapman920
Topic: 20190 Message: 20287

Have you tried contacting MFJ? Sometimes they will go an extra mile.

--- In ham-antennas@yahoogroups.com, Dave Cole <dave@...> wrote:
>
> Hi,
>
> Thank you for the info... It is odd, that almost everything has a
> manual on the net, but this device...
>
> Thanks,
> Dave
> NK7Z
>
>
> ====================CUT==================
> On Mon, 24 Oct 2011 16:48:33 -0700 (PDT)
> Ken Burchfield <k5jxl@...> wrote:
>
> > Nope. here is schematic:?http://www.ve2azx.net/technical/MFJ_201.gif

>

20288. Re: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 12:53:55 UTC
From: Memwl
Topic: 20222 Message: 20288

Hope this do not sound silly but why not just use a dipole cut for 11 meters.
You could change the pattern by moving the legs, is there a reason you have not tried this?

ke7sbe

>_____
>From: ve5mjb <markbergen@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, October 23, 2011 9:18 AM
>Subject: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity question
>
>
>
>Hi all, as part of ARES here I wanted to cover off the 11 meter band as well. I took a trucker 4' dual whip and made a dipole. I have read that if I mount this horizontally I will have trouble with local area traffic due to polarization as the majority of people run antennas horizontially. This is a radio that will not see too much action so I do not want to erect another high visable antenna. (Keeps the neighbourhood happy)I wanted to mount this in the attic.
>
>Does any one have any knowledge here, and if so can I acomplish an attic mount system in a different mannor?
>Thanks Mark
>
>
>
>
>

[Non-text portions of this message have been removed]

20289. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 13:33:47 UTC
From: Weston Fryatt
Topic: 20233 Message: 20289

No, I was meaning the Maximum Permissible Exposure to the people in and
around the Metal Roof... You load that thing up with 1 kilowatts or so
and you are effecting your body to high levels of RF. I'm just thinking
of the safety side of things, not saying it can't be done.

On 10/25/2011 6:56 AM, Larry Tooley wrote:
>
> Good point. May create a lot of BCI TVI and other interference to modern
> solid state items.
> ----- Original Message -----
> From: Weston Fryatt
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Monday, October 24, 2011 10:21 AM
> Subject: Re: [ham-antennas] Re: Metal Roof Question
>
> You may want to check out your MPE (Maximum Permissible Exposure),
> before loading up your metal roof...
>
> On 10/24/2011 8:55 AM, Ron Youvan wrote:
> >
> > Larry Tooley wrote:
> >
> > > How about trying to load the roof. May be a great broadband radiator.
> >
> > Health and safety before any other consideration.
> > --
> > Ron KA4INM - Every HAM should have at least one desk MIC,
> > it's the perfect place to hang the cans when
> > CW is "arm chair copy."
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

20290. HF Delta Loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 14:19:59 UTC
From: dj_philonline
Topic: 20290 Message: 20290

Hi, I recently made a quick HF vertical delta loop and decided to share my findings, the antenna started life as a single prowhip 6M roach pole HF vertical with a 9:1 unun which worked great at my former qth high up in the Northumberland hills but down here in the deep valley with trees everywhere was not very good at all with the signals being very low and the noise from the lattice of pole fed overhead domestic AC, I am also under a vast umbrella of overhead telephone cables with three heavily loaded poles within yards of my property, we are in a very built up area with small gardens and elderly neigbours with no understanding or tolleration of radio so I found out when the 30 something foot large metal vertical HF I errected in the same possition as the delta caused great concern to them, not to worry it was just as noisy as the prowhip so it was removed and now resides in a field in Ireland and doing very well so I here.
Next step was to try a wire dipole which I did not realy have the room for and was still noisy in the inverted L shape and as I am only foundation licence class here in the UK did not want to loose any of my 10W via traps, then tried a bamboo constructed 2 band cobweb, the noise problem was a bit better but signals still very low due to height also received poor TX reports compared to other antennas tried.
Loops seemed my only and final option as hieght was not required, reports of reduced noise levels and good performance in areas with poor reception "thats me"
To start with the 9:1 unun in hand needed to be a 4:1 balun easy so it seemed break it open and rewind it! but after I opened it and looked inside I decided a new better quality toroidial and new wire would be more fitting.
I then ordered an identical 6M roach pole (found on ebay very cheap) to create the delta supports and some Racal clansman cable to put up with our very high winds.
Cut the roach pole tubes bit by bit on the tips untill the wire passed through without force which shortend the poles by 10" the set about making the mounting board (U clamps already in the shed after mounting my VHF/UHF beam and rotator 14ft above the chiminy stack just to hear our local repeater)
Drilled and stuck it all together and was amazed to hear stations 30 miles away on 40M in an area very difficult for me to work while it was laying flat in the garden on three chairs for support about a meter off the ground with a noise level of 0, at that moment I decided to weather proof this trial version and get it up a height, the delta by total accident is resonant for the high end of the 10M band and no tuner is required with a 1.2:1 swr which is great at the moment as this band is wide open, all other HF bands I use (160 and 80 not tried) easily tune with the MFJ 945E to 1.1:1 with low noise and good reports, I did believe that a vertical delta loop was directional and I have this one with the open loop facing East/West but I still get good signals and reports from the South? can somebody explain this please?
I am now getting much better use of my little FT-817ND now I have built and erected a delta loop and even spent a few hours SWL with great pleasure, anybody in a similar situation as myself give it a go, it is well worth it.
Photo album added(Phils Delta Loop) with construction pictures and final mounted possition pictures.
Phil
M6MRP

20291. Re: wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 14:30:44 UTC
From: dcb6759
Topic: 20270 Message: 20291

Yes, I have Excel.

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> Opps, it looks like junk. I copied a Excel spread sheet of mine and did a
> copy & paste. Can you read Excel , I can send you the original direct. The
> basic information is
> 1X loop is a 100 Ohm antenna , a 2X loop and larger close to 200 Ohm
>
> 2X in length loop, or greater can be matched with 50 Ohm coax and a 4:1
> Balun if
> the overall length of the loop is a multiple of the length at that frequency
>
> Even Multipliers will make it a resonate antenna, A 4X and 8X loop will
> match
> the most bands when used with a 4:1 Balun
>
> With the correct resonate length of the antenna no tuner adjustment is
> needed
> on the 7 bands.
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of dcb6759
> Sent: Monday, October 24, 2011 8:20 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: wire loop antenna.
>
>
> Rich, could you please try a different Format -- This doesn't come out
> correctly on my machine.
>
> Dennis, N5OTH
>
> --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@> wrote:
> >
> > IMHO, a 40M loop will work great on some higher bands. Below is a chart of
> my 80M size loop. You can see that all the HF bands come within a reasonable
> point of resonance. Looking at a 40M size it shows 10,15 and 20 are even
> numbers. 12&17M come in as .5 and wont tune as well. I run a 80 size loop ,
> tweaked to 20M and get great gain on the upper bands. A 40M loop is not easy
> to tune to 80M
>
> Overrall Length Ft 10M 12M 15M 17M 20M 40M
> 80M

> 70.770 2 141.540 4 3.5 3 2.5 2 1
> 0.5
> 70.770 3 212.310 6 5.3 4.5 3.8 3 1.5
> 0.8
> 70.770 4 283.080 8X 7X 6X 5X 4X 2X
> 1X
> 70.770 5 353.850 10 8.8 7.5 6.4 5 2.5
> 1.3
> 70.770 6 424.620 12 10.6 9 7.6 6 3
> 1.6
> 70.770 7 495.390 14 12.3 10.5 8.9 7 3.5
> 1.8
> 70.770 8 566.160 16X 14X 12X 10X 8X 4X
> 2X
>

20292. Re: [ham-antennas] Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 14:42:30 UTC
From: Jay Jordan
Topic: 20233 Message: 20292

Gentlemen ,
A vertical would be a great antenna for DX - but as I read it , he isn't wanting DX. He just wanted to use it for ECOM to the main station about 100 miles away .... with a vertical you could probably " launch " right over their heads. NVIS antenna will put it straight up and back down in a tighter radius

Jay NX2C

[Non-text portions of this message have been removed]

20293. Re: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 14:55:33 UTC
From: wa7dxz@aol.com
Topic: 20293 Message: 20293

Because I think he is asking about vertical vs horizontal polarity, not signal pattern.

Hope this do not sound silly but why not just use a dipole cut for 11 meters.
You could change the pattern by moving the legs, is there a reason you have not tried this?

ke7sbe

>Hi all, as part of ARES here I wanted to cover off the 11 meter band as well. I took a trucker 4' dual whip and made a dipole. I have read that if I mount this horizontally I will have trouble with local area traffic due to polarization as the majority of people run antennas horizontially. This is a radio that will not see too much action so I do not want to erect another high visable antenna. (Keeps the neighbourhood happy)I wanted to mount this in the attic.
>
>Does any one have any knowledge here, and if so can I acomplish an attic mount system in a different mannor?
>Thanks Mark
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20294. Re: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 14:58:05 UTC
From: wa7dxz@aol.com
Topic: 20293 Message: 20294

I doubt you will see much difference on 10 or 11 meters... when the band is open, like now, verticals talk to horizontals all the time, no problem, I think that would be more of a problem on VHF than ten meters. Certainly not any more than having to mount the antenna in your attic.
Bob

In a message dated 10/25/2011 5:54:01 A.M. US Mountain Standard Time, modkulla@... writes:

Hope this do not sound silly but why not just use a dipole cut for 11 meters.
You could change the pattern by moving the legs, is there a reason you have not tried this?

ke7sbe

>_____
>From: ve5mjb <_markbergen@..._ (mailto:markbergen@...) >
>To: _ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com)
>Sent: Sunday, October 23, 2011 9:18 AM
>Subject: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity question
>
>
>
>Hi all, as part of ARES here I wanted to cover off the 11 meter band as well. I took a trucker 4' dual whip and made a dipole. I have read that if I mount this horizontally I will have trouble with local area traffic due to polarization as the majority of people run antennas horizontially. This is a radio that will not see too much action so I do not want to erect another high visable antenna. (Keeps the neighbourhood happy)I wanted to mount this in the attic.
>
>Does any one have any knowledge here, and if so can I acomplish an attic mount system in a different mannor?
>Thanks Mark
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20295. Re: [ham-antennas] I needed an 11 meter antenna so I made a dipole. Polarity...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 15:24:10 UTC
From: Artekmedia
Topic: 20293 Message: 20295

Disagree

LOCAL signals (25 miles or less) from VERTICAL (mobile) antennas will be reduced by as much as 20Db.when using a HORIZONTAL antenna to communicate from the the "Base Station" ..been there done that on 10M & 6M transmitter hunts. When we were the fox we used to switch the polarization of our antenna every 10 minutes or so to throw off the hounds

DISTANT SIGNALS (100+ miles) will not be affected much if any because of the dispersion affects of SKIP propagation. Long distance communication then becomes more a function of the signal arrival and take off angle more than polarization

Dave
NR1DX

On 10/25/2011 9:58 AM, wa7dxz@... wrote:
> I doubt you will see much difference on 10 or 11 meters... when the
> band is
> open, like now, verticals talk to horizontals all the time, no problem, I
> think that would be more of a problem on VHF than ten meters.
> Certainly not
> any more than having to mount the antenna in your attic.
> Bob
>
>
> In a message dated 10/25/2011 5:54:01 A.M. US Mountain Standard Time,
> modkulla@... <mailto:modkulla%40yahoo.com> writes:
>
> Hope this do not sound silly but why not just use a dipole cut for 11
> meters.
> You could change the pattern by moving the legs, is there a reason you
> have not tried this?
>
> ke7sbe
>
> >_____
> >From: ve5mjb <_markbergen@...
> <mailto:_markbergen%40sasktel.net>_ (mailto:markbergen@...
> <mailto:markbergen%40sasktel.net>) >
> >To: _ham-antennas@yahoogroups.com
> <mailto:_ham-antennas%40yahoogroups.com>_
> (mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>)

> >Sent: Sunday, October 23, 2011 9:18 AM
> >Subject: [ham-antennas] I needed an 11 meter antenna so I made a dipole.
> Polarity question
> >
> >
> >
> >Hi all, as part of ARES here I wanted to cover off the 11 meter band as
> well. I took a trucker 4' dual whip and made a dipole. I have read
> that if I
> mount this horizontally I will have trouble with local area traffic
> due to
> polarization as the majority of people run antennas horizontially.
> This is
> a radio that will not see too much action so I do not want to erect
> another high visable antenna. (Keeps the neighbourhood happy)I wanted
> to mount
> this in the attic.
> >
> >Does any one have any knowledge here, and if so can I acomplish an attic
> mount system in a different mannor?
> >Thanks Mark
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20296. AW: AW: [ham-antennas] Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 17:45:27 UTC
From: Siegfried Jackstien
Topic: 20241 Message: 20296

I have "only" 40m to my loop ... but a friend from me feeds his doublet over
120m of ladderline ... so length is not ac problem with ladderline :-)
...
My loop is not symmetrical 100% ... so i have a slight imbalance at the
feeding line ... a light twisting of the line helped to reduce noise-pickup
....
But the noise level was low anyway ...
I can just barely notice if my sat receiver and tv is switched on (a slight
noise when preamp is on on some bands but VERY low)

Without turning the line the noise was "a bit" higher ... but also very low

I had a dipole here (same feed system) that picked up more noise and lower
signals ... so s/n ratio is better now with my 168m loop

I can not say how high (or low) the noise would be with coax ... cause I
always use ladderline for this antenna

Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Artekmedia
> Gesendet: Montag, 24. Oktober 2011 17:15
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Very long Open Wire Line ?
>
>
>
> Sigi
>
> Tel me more about your actual "findings" ...With noise picked up and
> radiation from the line...how long was / is your run
>
> Dave
>
> <SNIP>
> >
> > > Questions
> > > 1) Would an open wire system like this be more subject to noise and
> even
> > > radiate itself?
> > <SNIP>
> > >

> >
> > A well balanced ladderline does not radiate and does not pick up more
> > noise
> > as a coax .... (my findings are that sometimes it is the other way
> > around!!)
> > <SNIP>
> >
>
> > Dg9bfc
> > Sigi
> >
> > >
> > >
> > >
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
>
>
>

20297. Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 17:53:28 UTC
From: Paul Horvitz
Topic: 20233 Message: 20297

Why not simply try it and see for yourself how it *actually*, really
truly works when on the air??? !
Easy enough to do.

Playing around with any antenna sure is fun, isn't it?
They give great bang for the buck too, usually.

73,
Paul
WA6IAF

20298. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 19:18:25 UTC
From: Ed Stewart
Topic: 20233 Message: 20298

I have a 2 meter j-pole I am thinking of mounting right in the center of
the meta roof on my house! any thoughts on this? Ed

On 10/25/2011 01:53 PM, Paul Horvitz wrote:
>
> Why not simply try it and see for yourself how it *actually*, really
> truly works when on the air??? !
> Easy enough to do.
>
> Playing around with any antenna sure is fun, isn't it?
> They give great bang for the buck too, usually.
>
> 73,
> Paul
> WA6IAF
>
>

--

[Non-text portions of this message have been removed]

20299. AW: [ham-antennas] Re: wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 19:39:14 UTC
From: Siegfried Jackstien
Topic: 20270 Message: 20299

AGREED ... BUT I FEED MY LOOP WITH A RESONANT LENGHT OF LADDERLINE
I can use the topband loop on nearly all bands without tuner :-) (just a
balun at the shack end)
But I change the feedingline length for some bands
Greetz
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard Schmuke
> Gesendet: Dienstag, 25. Oktober 2011 02:15
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Re: wire loop antenna.
>
>
>
> Opps, it looks like junk. I copied a Excel spread sheet of mine and did a
> copy & paste. Can you read Excel , I can send you the original direct. The
> basic information is
> 1X loop is a 100 Ohm antenna , a 2X loop and larger close to 200 Ohm
>
> 2X in length loop, or greater can be matched with 50 Ohm coax and a 4:1
> Balun if
> the overall length of the loop is a multiple of the length at that
> frequency
>
> Even Multipliers will make it a resonate antenna, A 4X and 8X loop will
> match
> the most bands when used with a 4:1 Balun
>
> With the correct resonate length of the antenna no tuner adjustment is
> needed
> on the 7 bands.
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>] On
> Behalf Of dcb6759
> Sent: Monday, October 24, 2011 8:20 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Re: wire loop antenna.
>
>
>
> Rich, could you please try a different Format -- This doesn't come out

> correctly on my machine.
>
> Dennis, N5OTH
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
> >
> > IMHO, a 40M loop will work great on some higher bands. Below is a chart
> of
> my 80M size loop. You can see that all the HF bands come within a
> reasonable
> point of resonance. Looking at a 40M size it shows 10,15 and 20 are even
> numbers. 12&17M come in as .5 and wont tune as well. I run a 80 size loop
> ,
> tweaked to 20M and get great gain on the upper bands. A 40M loop is not
> easy
> to tune to 80M
>
> Overrall Length Ft 10M 12M 15M 17M 20M 40M
> 80M
> 70.770 2 141.540 4 3.5 3 2.5 2 1
> 0.5
> 70.770 3 212.310 6 5.3 4.5 3.8 3 1.5
> 0.8
> 70.770 4 283.080 8X 7X 6X 5X 4X 2X
> 1X
> 70.770 5 353.850 10 8.8 7.5 6.4 5 2.5
> 1.3
> 70.770 6 424.620 12 10.6 9 7.6 6 3
> 1.6
> 70.770 7 495.390 14 12.3 10.5 8.9 7 3.5
> 1.8
> 70.770 8 566.160 16X 14X 12X 10X 8X 4X
> 2X
>
>
>
>

20300. Re: Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 20:11:47 UTC
From: co_farmer
Topic: 20241 Message: 20300

--- In ham-antennas@yahoogroups.com, "Dave" <nr1dx@...> wrote:
>
> More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about using open wire line as a feed method for a very long run. I vaguely recall they used some sort toroid transformer at the ends to move back to 50 ohms.
>
> So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying around so I was thinking of maybe running an open wire line out there and use transformers at either end to convert to 50 OHms. The feed line will run about 10' off the ground (avoids getting taken down by the deer)
>
> Questions
> 1) Would an open wire system like this be more subject to noise and even radiate itself?
>
> 2) What would the losses be on a 500' run using #12 at 28 MHz
>
> 3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers
>
> 4) Anyone there actually done this? War stories?
>
> 73
> Dave
> NR1DX
>

I have not personally done it, but: Ranch houses out here in the West were built in the canyons and valleys because that was where the water was. When television came the ranchers put up long yagi antennas on the highest butte/hill above the ranch house and ran 300/450 ohm open line to the house. Sometimes up to a mile. They got good reception unless the transmitter antenna was really too far away.

So, the length of the open line you will be running will not be a problem at the lower frequencies.

Paul, KD7HB Central Oregon

20301. AW: [ham-antennas] wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 19:34:58 UTC
From: Siegfried Jackstien
Topic: 20270 Message: 20301

Feed the loop away from the houde (with ladderline) ... now the opposide
end (opposide of feeding) is close to house .... place that close to a
window frame (if needed ad a short eun of ladderline to the frame
Now you can rasy open or close your 40 m loop

What do you have when open? ... a bent 80m dipole !!! :-)
So Easy to tune on the 80m band when the bridge is open
But pay attention! There is HIGH voltage at that point ...
...
By the way ... if you have room for a 130m doublet ... why not make a BIGGER
loop ... use all space available ... and even if you have to zig-zag it a
bit ... every meter of copper in the air counts!

Greetz
Dg9bfc
Ps I have a ladderline fed loop here for topband (168m) ... but use it on
ALL bands with GREAT RESULTS!

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jeffrey l
> Gesendet: Montag, 24. Oktober 2011 22:07
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] wire loop antenna.
>
>
>
> I currently use a doublet 130 ft long 21 ft up, and fed with open line ,
> This is fine for local , out to 1200 miles but noise levels can be a major
> issue.
>
> I am thinking of a loop antenna and due to the size of the backyard 45' x
> 36' , i think i should be able to get a 7Mhz full wave loop up to about
> 21'-24' above ground.
>
> I currently use an MFJ 491D tuner, and I have 3 HF sets, ICOM 718&AUTO
> TUNE(belongs to No1 son), KENWOOD TS520S, and A YEASU FT77, these are set
> up so that I can switch them into the antenna circuit as I wish.
>
> Will the 7Mhz loop tune down to 3.5Mhz and up to 10Mhz ???
>
> Jeff
> VK4 FNRS
>
>
>

>

20302. AW: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-25 19:41:28 UTC
From: Siegfried Jackstien
Topic: 20233 Message: 20302

Big metal roof? Use it as groundplane for a shortwave vertical
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ed Stewart
> Gesendet: Dienstag, 25. Oktober 2011 19:18
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Metal Roof Question
>
>
>
> I have a 2 meter j-pole I am thinking of mounting right in the center of
> the meta roof on my house! any thoughts on this? Ed
>
> On 10/25/2011 01:53 PM, Paul Horvitz wrote:
> >
> > Why not simply try it and see for yourself how it *actually*, really
> > truly works when on the air??? !
> > Easy enough to do.
> >
> > Playing around with any antenna sure is fun, isn't it?
> > They give great bang for the buck too, usually.
> >
> > 73,
> > Paul
> > WA6IAF
> >
> >
>
> --
>
> [Non-text portions of this message have been removed]
>
>
>
>

20303. RE: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 01:13:02 UTC
From: Richard Schmuke
Topic: 20233 Message: 20303

I would make sure the bottom of the J-Pole antenna was at least 1/4wl above the roof.

For HF bands I had a 40M vertical in the middle of my work shop with a 55x70 foot roof but because the steel panels are not electrically bonded to each other I had to add radials to the vertical.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

Subject: Re: [ham-antennas] Re: Metal Roof Question

I have a 2 meter j-pole I am thinking of mounting right in the center of
the meta roof on my house! any thoughts on this? Ed

On 10/25/2011 01:53 PM, Paul Horvitz wrote:
>
> Why not simply try it and see for yourself how it *actually*, really
> truly works when on the air??? !
> Easy enough to do.
>
> Playing around with any antenna sure is fun, isn't it?
> They give great bang for the buck too, usually.
>
> 73,
> Paul
> WA6IAF
>
>

--

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20304. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 01:41:00 UTC
From: Dave Cole
Topic: 20190 Message: 20304

I'll give that a try... Thanks!!

==========CUT==========
On Tue, 25 Oct 2011 12:53:24 -0000
"pchapman920" <p_chap@...> wrote:

> Have you tried contacting MFJ? Sometimes they will go an extra mile.
>
> --- In ham-antennas@yahoogroups.com, Dave Cole <dave@...> wrote:
> >
> > Hi,
> >
> > Thank you for the info... It is odd, that almost everything has a
> > manual on the net, but this device...
> >
> > Thanks,
> > Dave
> > NK7Z
> >
> >
> > ==========CUT==========
> > On Mon, 24 Oct 2011 16:48:33 -0700 (PDT)
> > Ken Burchfield <k5jxl@...> wrote:
> >
> > > Nope. here is
> > > schematic:?http://www.ve2azx.net/technical/MFJ_201.gif
>
> >
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com Unsubscribe:
> ham-antennas-unsubscribe@yahoogroups.com List owner:
> ham-antennas-owner@yahoogroups.com Yahoo! Groups Links
>
>
>

==========END CUT==========

--
This is an Uzi... This is an Uzi on full auto, any questions?
Dave

20305. paladin PA-1700 desoldering tool question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 02:21:26 UTC
From: pchapman920
Topic: 20305 Message: 20305

Anyone have advice on how to replace the foam insert on this tool or a manual that may include the instruction. Found it after it had sat in a box for over ten years and the foam has rotted. Really sucks as now it does not suck but is in great shape otherwise, and would cost $25 to replace the whole tool. Trying to reclaim a couple of silver plate reducers I let solder get in the threads and also add a band element to an existing dipole at the balun pigtail where a cleanup would be beneficial.

20306. Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 02:33:42 UTC
From: pchapman920
Topic: 20190 Message: 20306

If you have free or cheap long distance phone, I would go that route, it may bear more weight with them. Otherwise I did see a manual for $2.95 on ebay. Just might add that I have called MFJ twice for support over the last few years, and both times, they treated me well. It was minor stuff, but all was OK in the end, and the last call they said no problem returning under warranty. I think everyone knows there is a long history of QC issues there, but although a short record for me, do not have a complaint with phone support.

--- In ham-antennas@yahoogroups.com, Dave Cole <dave@...> wrote:
>
> I'll give that a try... Thanks!!
>
> ====================CUT==================
> On Tue, 25 Oct 2011 12:53:24 -0000
> "pchapman920" <p_chap@...> wrote:
>
> > Have you tried contacting MFJ? Sometimes they will go an extra mile.

20307. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 14:30:23 UTC
From: Ken Burchfield
Topic: 20190 Message: 20307

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

Attached is a file that I put together on the MFJ-206
Also can be found on Ebaman files
73

Ken

_____
From: pchapman920 <p_chap@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 25, 2011 9:33 PM
Subject: [ham-antennas] Re: MFJ-206 Antenna Current Meter

If you have free or cheap long distance phone, I would go that route, it may bear more weight with them. Otherwise I did see a manual for $2.95 on ebay. Just might add that I have called MFJ twice for support over the last few years, and both times, they treated me well. It was minor stuff, but all was OK in the end, and the last call they said no problem returning under warranty. I think everyone knows there is a long history of QC issues there, but although a short record for me, do not have a complaint with phone support.

--- In ham-antennas@yahoogroups.com, Dave Cole <dave@...> wrote:
>
> I'll give that a try... Thanks!!
>
> ====================CUT==================
> On Tue, 25 Oct 2011 12:53:24 -0000
> "pchapman920" <p_chap@...> wrote:
>
> > Have you tried contacting MFJ? Sometimes they will go an extra mile.

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20308. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 14:45:38 UTC
From: Artekmedia
Topic: 20190 Message: 20308

Ken

Just an FYI, Yahoo Groups strips off attachments

Ebaman will work but KO4BB.COM is a better choice for lots of reasons

73
Dave
NR1DX

On 10/26/2011 9:30 AM, Ken Burchfield wrote:
>
>
>
>
> PacketRadio is Still
> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
> Attached is a file that I put together on the MFJ-206
> Also can be found on Ebaman files
> 73
>
> Ken
>
> _____
> From: pchapman920 <p_chap@... <mailto:p_chap%40bellsouth.net>>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Tuesday, October 25, 2011 9:33 PM
> Subject: [ham-antennas] Re: MFJ-206 Antenna Current Meter
>
> If you have free or cheap long distance phone, I would go that route,
> it may bear more weight with them. Otherwise I did see a manual for
> $2.95 on ebay. Just might add that I have called MFJ twice for support
> over the last few years, and both times, they treated me well. It was
> minor stuff, but all was OK in the end, and the last call they said no
> problem returning under warranty. I think everyone knows there is a
> long history of QC issues there, but although a short record for me,
> do not have a complaint with phone support.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Dave Cole <dave@...> wrote:
> >
> > I'll give that a try... Thanks!!
> >
> > ====================CUT==================
> > On Tue, 25 Oct 2011 12:53:24 -0000

> > "pchapman920" <p_chap@...> wrote:
> >
> > > Have you tried contacting MFJ? Sometimes they will go an extra mile.
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20309. Scorpion Home Install Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 14:49:42 UTC
From: Jim
Topic: 20309 Message: 20309

I am looking at the Scorpion 10-80m or the 10-160m antennas. Any one with experience on either?

http://www.scorpionantennas.com/index.php?option=com_content&view=article&id=48&Itemid=37

73s
Jim

20310. Re: paladin PA-1700 desoldering tool question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 15:54:08 UTC
From: fred
Topic: 20305 Message: 20310

try putting the reducers on the end of a 40 watt iron with a conical tip and let it heat up good then use a paper towl or a dry rag (don't use a damp one , the steam burns, been there done that) to clean the threads or if you have any of the small gauge solder wick it may work .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
>
> Anyone have advice on how to replace the foam insert on this tool or a manual that may include the instruction. Found it after it had sat in a box for over ten years and the foam has rotted. Really sucks as now it does not suck but is in great shape otherwise, and would cost $25 to replace the whole tool. Trying to reclaim a couple of silver plate reducers I let solder get in the threads and also add a band element to an existing dipole at the balun pigtail where a cleanup would be beneficial.
>

20311. Re: Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 16:14:36 UTC
From: kc2axu
Topic: 20241 Message: 20311

Nice size piece of land,,, but why don't you do a loop plus a couple of full wave dipoles? We are on 7.5 acres here and I am working on building a double full wave loop that will be about 15 feet off the ground, and then 3 fullwave dipoles for 160, 80, 40 meters. Just a thought for you to has over.

--- In ham-antennas@yahoogroups.com, "co_farmer" <co_farmer@...> wrote:
>
>
>
> --- In ham-antennas@yahoogroups.com, "Dave" <nr1dx@> wrote:
> >
> > More years ago than I care to admit I read an article in one of the ham rags of the day (73?) about using open wire line as a feed method for a very long run. I vaguely recall they used some sort toroid transformer at the ends to move back to 50 ohms.
> >
> > So here is the good news: I live on 10 acres (300' wide 1500' long ..eat your heart out) bad news is the area where I'd like to put the antenna farm is about 500' from the shack. For the purpose of this exercise we are considering 160-10M operation,. I could run LMR600 at 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on the order of $1000. I have LOTS of #12 laying around so I was thinking of maybe running an open wire line out there and use transformers at either end to convert to 50 OHms. The feed line will run about 10' off the ground (avoids getting taken down by the deer)
> >
> > Questions
> > 1) Would an open wire system like this be more subject to noise and even radiate itself?
> >
> > 2) What would the losses be on a 500' run using #12 at 28 MHz
> >
> > 3) What is the best I can hope for in the way of losses in the 50 ohm matching transformers
> >
> > 4) Anyone there actually done this? War stories?
> >
> > 73
> > Dave
> > NR1DX
> >
>
> I have not personally done it, but: Ranch houses out here in the West were built in the canyons and valleys because that was where the water was. When television came the ranchers put up long yagi antennas on the highest butte/hill above the ranch house and ran 300/450 ohm open line to the house. Sometimes up to a mile. They got good reception unless the transmitter antenna was really too far away.
>

> So, the length of the open line you will be running will not be a problem at the lower frequencies.
>
> Paul, KD7HB Central Oregon
>

20312. Re: [ham-antennas] Re: Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 16:38:13 UTC
From: Artekmedia
Topic: 20241 Message: 20312

The stand of "organic antenna masts" (80' trees) is 400' (600' to the center) away ...nothing really suitable closer ....once out to the wood lot I plan eventually on putting up trapped 80/160 inverted L's in Phased array.. plus lots of other wire for the other bands ..room out there to put a 3 element wire beam pointed at Europe for 40 & 30 plus a lot of other "fun" wire projects, possibly two half squares in phase for 40 and so on

Dave
NR1DX

On 10/26/2011 11:14 AM, kc2axu wrote:
>
> Nice size piece of land,,, but why don't you do a loop plus a couple
> of full wave dipoles? We are on 7.5 acres here and I am working on
> building a double full wave loop that will be about 15 feet off the
> ground, and then 3 fullwave dipoles for 160, 80, 40 meters. Just a
> thought for you to has over.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "co_farmer" <co_farmer@...>
> wrote:
> >
> >
> >
> > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "Dave" <nr1dx@> wrote:
> > >
> > > More years ago than I care to admit I read an article in one of
> the ham rags of the day (73?) about using open wire line as a feed
> method for a very long run. I vaguely recall they used some sort
> toroid transformer at the ends to move back to 50 ohms.
> > >
> > > So here is the good news: I live on 10 acres (300' wide 1500' long
> ..eat your heart out) bad news is the area where I'd like to put the
> antenna farm is about 500' from the shack. For the purpose of this
> exercise we are considering 160-10M operation,. I could run LMR600 at
> 500 ft the loss would only be 1.5 db at 28MHZ but the cost would be on
> the order of $1000. I have LOTS of #12 laying around so I was thinking
> of maybe running an open wire line out there and use transformers at
> either end to convert to 50 OHms. The feed line will run about 10' off
> the ground (avoids getting taken down by the deer)
> > >
> > > Questions
> > > 1) Would an open wire system like this be more subject to noise

> and even radiate itself?
> > >
> > > 2) What would the losses be on a 500' run using #12 at 28 MHz
> > >
> > > 3) What is the best I can hope for in the way of losses in the 50
> ohm matching transformers
> > >
> > > 4) Anyone there actually done this? War stories?
> > >
> > > 73
> > > Dave
> > > NR1DX
> > >
> >
> > I have not personally done it, but: Ranch houses out here in the
> West were built in the canyons and valleys because that was where the
> water was. When television came the ranchers put up long yagi antennas
> on the highest butte/hill above the ranch house and ran 300/450 ohm
> open line to the house. Sometimes up to a mile. They got good
> reception unless the transmitter antenna was really too far away.
> >
> > So, the length of the open line you will be running will not be a
> problem at the lower frequencies.
> >
> > Paul, KD7HB Central Oregon
> >
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20313. Re: [ham-antennas] Re: wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 20:28:01 UTC
From: roger.h@comcast.net
Topic: 20270 Message: 20313

Hello Jeff. Try this full wave delta loop on page 4-4 and 4-5 on ARRL (More wire antenna cliassics volume 2). You will be pleasently surprised I was sceptical at first but when I had it up finanally it played really good. It's in the triangle shape with the apex at 50' up my tower with 2 legs shooting out and down to 2 corner posts atached at 6' from ground. Of course the back 93' stretched tight at 6' level all away across. I then ran 157' of 450 ohm ladder line to 4:1 homemade balun. Then lmr 400 to remote coax switch them too shack which was 127'. I to like the low loss. The distances are a swag but close.of coax. It's cross polarised but with low and high angle radiation. This aloows you to work close in and DX. I have over a hundred countries since Feb just playing around. Boy is it quiet. The articile is by Doug Demaw. Try it you'll like it. I put mine at 3.650. The SWR is useable on several bands. I am going to put 2nd one in different direction. W4IV, 73, Roger PS: I feed at the corner post at 6' level.

----- Original Message -----
From: "jeffrey lord" <jc_2aussie@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, October 25, 2011 7:42:16 AM
Subject: [ham-antennas] Re: wire loop antenna.

I am going to feed with open wire , do not like coax due to loss it incurs,

I still have to make & mount the extra 2 supports, required.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20314. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 21:02:17 UTC
From: Ken Burchfield
Topic: 20190 Message: 20314

Thanks Dave,,
Yep that why i sent attachment direct, and let the group know that I had done so.
Ebaman is over seas and less hassle.
what are some of the reasons that KO4BB would be better choice?
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Artekmedia <nr1dx@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 26, 2011 9:45 AM
Subject: Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Ken

Just an FYI, Yahoo Groups strips off attachments

Ebaman will work but KO4BB.COM is a better choice for lots of reasons

73
Dave
NR1DX

On 10/26/2011 9:30 AM, Ken Burchfield wrote:
>
>
>
>
> PacketRadio is Still
> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
> Attached is a file that I put together on the MFJ-206
> Also can be found on Ebaman files
> 73
>
> Ken
>
> ---
> From: pchapman920 <p_chap@... <mailto:p_chap%40bellsouth.net>>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Tuesday, October 25, 2011 9:33 PM
> Subject: [ham-antennas] Re: MFJ-206 Antenna Current Meter
>
> If you have free or cheap long distance phone, I would go that route,
> it may bear more weight with them. Otherwise I did see a manual for
> $2.95 on ebay. Just might add that I have called MFJ twice for support

> over the last few years, and both times, they treated me well. It was
> minor stuff, but all was OK in the end, and the last call they said no
> problem returning under warranty. I think everyone knows there is a
> long history of QC issues there, but although a short record for me,
> do not have a complaint with phone support.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Dave Cole <dave@...> wrote:
> >
> > I'll give that a try... Thanks!!
> >
> > ====================CUT==================
> > On Tue, 25 Oct 2011 12:53:24 -0000
> > "pchapman920" <p_chap@...> wrote:
> >
> > > Have you tried contacting MFJ? Sometimes they will go an extra mile.
>

[Non-text portions of this message have been removed]

20315. Re: [ham-antennas] Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 23:48:00 UTC
From: Ron Polityka
Topic: 20233 Message: 20315

Hi Rod,

I use to live in a row home with a flat metal roof. I had a Butternut HF9V on the top metal roof with radials. 33 feet up from the ground.

I took the ground of the antenna to the roof and to a #4 AWG solid copper wire to a ground rod.

The setup worked very well. I could break pile ups on DX with 5 watts. I later had to replace the metal roof with a rolled roof. I kept the same basic setup. Worked just as well but I would have liked to keep the metal roof.

Good luck. Be careful up on the roof.

20316. Re: [ham-antennas] Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 23:48:56 UTC
From: Ron Polityka
Topic: 20233 Message: 20316

Sorry, I forgot to sign the e-mail.

72
Ron Polityka
WB3AAL

----- Original Message -----
From: "Ron Polityka" <wb3aal@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, October 26, 2011 7:48 PM
Subject: Re: [ham-antennas] Metal Roof Question

> Hi Rod,
>
> I use to live in a row home with a flat metal roof. I had
> a Butternut HF9V on the top metal roof with radials. 33
> feet up from the ground.
>
> I took the ground of the antenna to the roof and to a #4
> AWG solid copper wire to a ground rod.
>
> The setup worked very well. I could break pile ups on DX
> with 5 watts. I later had to replace the metal roof with a
> rolled roof. I kept the same basic setup. Worked just as
> well but I would have liked to keep the metal roof.
>
> Good luck. Be careful up on the roof.

20317. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-26 23:56:15 UTC
From: Dave Cole
Topic: 20190 Message: 20317

Hi,

Could you send it directly to me? dave@...

Also, THANK YOU!!!!!

====================CUT==================
On Wed, 26 Oct 2011 07:30:23 -0700 (PDT)
Ken Burchfield <k5jxl@...> wrote:

>
>
>
> PacketRadio is Still
> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
> Attached is a file that I put together on the MFJ-206
> Also can be found on Ebaman files
> 73
>
> Ken
>
>
>
> _________________________________
> From: pchapman920 <p_chap@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, October 25, 2011 9:33 PM
> Subject: [ham-antennas] Re: MFJ-206 Antenna Current Meter
>
> If you have free or cheap long distance phone, I would go that route,
> it may bear more weight with them. Otherwise I did see a manual for
> $2.95 on ebay. Just might add that I have called MFJ twice for
> support over the last few years, and both times, they treated me
> well. It was minor stuff, but all was OK in the end, and the last
> call they said no problem returning under warranty. I think everyone
> knows there is a long history of QC issues there, but although a
> short record for me, do not have a complaint with phone support.
>
> --- In ham-antennas@yahoogroups.com, Dave Cole <dave@...> wrote:
> >
> > I'll give that a try... Thanks!!
> >
> > ====================CUT==================
> > On Tue, 25 Oct 2011 12:53:24 -0000
> > "pchapman920" <p_chap@...> wrote:

> >
> > > Have you tried contacting MFJ? Sometimes they will go an extra
> > > mile.
>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com Unsubscribe:
> ham-antennas-unsubscribe@yahoogroups.com List owner:
> ham-antennas-owner@yahoogroups.com Yahoo! Groups Links
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> NOT permitted. Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have final
> say in these matters. Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com Unsubscribe:
> ham-antennas-unsubscribe@yahoogroups.com List owner:
> ham-antennas-owner@yahoogroups.com Yahoo! Groups Links
>
>
>

==========END CUT==========

--
This is an Uzi... This is an Uzi on full auto, any questions?
Dave

20318. Re: HF Delta Loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 00:08:18 UTC
From: kd8dvy@ymail.com
Topic: 20290 Message: 20318

Phil,

Good to read that your experience with loops has got you the results that you are wanting. The thing about loops they are polarized depending on the place of the balun. If it is at the top it is horizontal and if it is at the bottom it is vertical polarized.

Most antennas will TX in ways that it is not suppose to that is the way wire antennas work.

If you are looking to get both polarization then you may try to put the balun 1/4 of the way up on one of the legs. /_\. I tried this at one of our QSO party and I work a VE station from central K4 land, where I was running a TS430 at 60w. in a valley. The I worked a K6 from the same location. I was working stations as close as Alabama USA.

As for the receive the loop is a wonderful listener it get the signals no matter what polarization the are.

Harold/KD8DVY

--- In ham-antennas@yahoogroups.com, "dj_philonline" <dj_philonline@...> wrote:
>
> Hi, I recently made a quick HF vertical delta loop and decided to share my findings, the antenna started life as a single prowhip 6M roach pole HF vertical with a 9:1 unun which worked great at my former qth high up in the Northumberland hills but down here in the deep valley with trees everywhere was not very good at all with the signals being very low and the noise from the lattice of pole fed overhead domestic AC, I am also under a vast umbrella of overhead telephone cables with three heavily loaded poles within yards of my property, we are in a very built up area with small gardens and elderly neigbours with no understanding or tolleration of radio so I found out when the 30 something foot large metal vertical HF I errected in the same possition as the delta caused great concern to them, not to worry it was just as noisy as the prowhip so it was removed and now resides in a field in Ireland and doing very well so I here.
> Next step was to try a wire dipole which I did not realy have the room for and was still noisy in the inverted L shape and as I am only foundation licence class here in the UK did not want to loose any of my 10W via traps, then tried a bamboo constructed 2 band cobweb, the noise problem was a bit better but signals still very low due to height also received poor TX reports compared to other antennas tried.
> Loops seemed my only and final option as hieght was not required, reports of reduced noise levels and good performance in areas with poor reception "thats me"
> To start with the 9:1 unun in hand needed to be a 4:1 balun easy so it seemed break it open and rewind it! but after I opened it and looked inside I decided a new better quality toroidial and new wire would be more fitting.
> I then ordered an identical 6M roach pole (found on ebay very cheap) to create the delta supports and some Racal clansman cable to put up with our very high winds.
> Cut the roach pole tubes bit by bit on the tips untill the wire passed through without force which shortend the poles by 10" the set about making the mounting board (U clamps already in the shed after mounting my VHF/UHF beam and rotator 14ft above the chiminy stack

just to hear our local repeater)
> Drilled and stuck it all together and was amazed to hear stations 30 miles away on 40M in an area very difficult for me to work while it was laying flat in the garden on three chairs for support about a meter off the ground with a noise level of 0, at that moment I decided to weather proof this trial version and get it up a height, the delta by total accident is resonant for the high end of the 10M band and no tuner is required with a 1.2:1 swr which is great at the moment as this band is wide open, all other HF bands I use (160 and 80 not tried) easily tune with the MFJ 945E to 1.1:1 with low noise and good reports, I did believe that a vertical delta loop was directional and I have this one with the open loop facing East/West but I still get good signals and reports from the South? can somebody explain this please?
> I am now getting much better use of my little FT-817ND now I have built and erected a delta loop and even spent a few hours SWL with great pleasure, anybody in a similar situation as myself give it a go, it is well worth it.
> Photo album added(Phils Delta Loop) with construction pictures and final mounted possition pictures.
> Phil
> M6MRP
>

20319. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 00:10:25 UTC
From: Dave Cole
Topic: 20190 Message: 20319

Created an account at
http://www.ebaman.com/
and it refuses to allow me to log in... Sigh... I do this stuff for a
living, so I am pretty sure I have it right. Hence the direct request.

Dave

==========CUT==========
On Wed, 26 Oct 2011 16:56:15 -0700
Dave Cole <dave@...> wrote:

> Hi,
>
> Could you send it directly to me? dave@...
>
> Also, THANK YOU!!!!!
>
> ==========CUT==========
> On Wed, 26 Oct 2011 07:30:23 -0700 (PDT)
> Ken Burchfield <k5jxl@...> wrote:
>
> >
> >
> >
> > PacketRadio is Still
> > Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
> >
> > Attached is a file that I put together on the MFJ-206
> > Also can be found on Ebaman files
> > 73
> >
> > Ken
> >
> >
> >
> > _____
> > From: pchapman920 <p_chap@...>
> > To: ham-antennas@yahoogroups.com
> > Sent: Tuesday, October 25, 2011 9:33 PM
> > Subject: [ham-antennas] Re: MFJ-206 Antenna Current Meter
> >
> > If you have free or cheap long distance phone, I would go that
> > route, it may bear more weight with them. Otherwise I did see a
> > manual for $2.95 on ebay. Just might add that I have called MFJ
> > twice for support over the last few years, and both times, they
> > treated me well. It was minor stuff, but all was OK in the end, and

> > the last call they said no problem returning under warranty. I
> > think everyone knows there is a long history of QC issues there,
> > but although a short record for me, do not have a complaint with
> > phone support.
> >
> > --- In ham-antennas@yahoogroups.com, Dave Cole <dave@...> wrote:
> > >
> > > I'll give that a try... Thanks!!
> > >
> > > ====================CUT==================
> > > On Tue, 25 Oct 2011 12:53:24 -0000
> > > "pchapman920" <p_chap@...> wrote:
> > >
> > > > Have you tried contacting MFJ? Sometimes they will go an extra
> > > > mile.
> >
> >
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> > NOT permitted. Any statements in ANY post that may be construed as
> > inflamatory MAY be cause for suspension. Moderators WILL have final
> > say in these matters. Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com Unsubscribe:
> > ham-antennas-unsubscribe@yahoogroups.com List owner:
> > ham-antennas-owner@yahoogroups.com Yahoo! Groups Links
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> > NOT permitted. Any statements in ANY post that may be construed as
> > inflamatory MAY be cause for suspension. Moderators WILL have final
> > say in these matters. Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com Unsubscribe:
> > ham-antennas-unsubscribe@yahoogroups.com List owner:
> > ham-antennas-owner@yahoogroups.com Yahoo! Groups Links
> >
> >
> >

>
> ==========END CUT==========
>

==========END CUT==========

--
This is an Uzi... This is an Uzi on full auto, any questions?
Dave

20320. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 00:21:54 UTC
From: Artekmedia
Topic: 20190 Message: 20320

This is precisely why I recommend you use KO4BB.com for these things.

Dave,NK7Z, I will get it and email it to you ..I have a "working account" on Ebaman , but you are not alone in your frustration many many people have trouble with the ebaman site

QRX
Dave
NR1DX

On 10/26/2011 7:10 PM, Dave Cole wrote:
>
> Created an account at
> http://www.ebaman.com/
> and it refuses to allow me to log in... Sigh... I do this stuff for a
> living, so I am pretty sure I have it right. Hence the direct request.
>
> Dave
>
> ====================CUT==================
> On Wed, 26 Oct 2011 16:56:15 -0700
> Dave Cole <dave@... <mailto:dave%40nk7z.net>> wrote:
>
> > Hi,
> >
> > Could you send it directly to me? dave@... <mailto:dave%40nk7z.net>
> >
> > Also, THANK YOU!!!!!
> >
> > ====================CUT==================
> > On Wed, 26 Oct 2011 07:30:23 -0700 (PDT)
> > Ken Burchfield <k5jxl@... <mailto:k5jxl%40yahoo.com>> wrote:
> >
> > >
> > >
> > >
> > > PacketRadio is Still
> > > Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
> > >
> > > Attached is a file that I put together on the MFJ-206
> > > Also can be found on Ebaman files
> > > 73
> > >
> > > Ken
> > >
> > >

> > >
> > > _____
> > > From: pchapman920 <p_chap@...
> <mailto:p_chap%40bellsouth.net>>
> > > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > Sent: Tuesday, October 25, 2011 9:33 PM
> > > Subject: [ham-antennas] Re: MFJ-206 Antenna Current Meter
> > >
> > > If you have free or cheap long distance phone, I would go that
> > > route, it may bear more weight with them. Otherwise I did see a
> > > manual for $2.95 on ebay. Just might add that I have called MFJ
> > > twice for support over the last few years, and both times, they
> > > treated me well. It was minor stuff, but all was OK in the end, and
> > > the last call they said no problem returning under warranty. I
> > > think everyone knows there is a long history of QC issues there,
> > > but although a short record for me, do not have a complaint with
> > > phone support.
> > >
> > > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Dave Cole <dave@...> wrote:
> > > > >
> > > > I'll give that a try... Thanks!!
> > > > >
> > > > ====================CUT==================
> > > > On Tue, 25 Oct 2011 12:53:24 -0000
> > > > "pchapman920" <p_chap@...> wrote:
> > > > >
> > > > > Have you tried contacting MFJ? Sometimes they will go an extra
> > > > > mile.
> > > >
> > > >
> > > >
> > > >
> > > >
> > > > ------------------------------------
> > > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> > > NOT permitted. Any statements in ANY post that may be construed as
> > > inflamatory MAY be cause for suspension. Moderators WILL have final
> > > say in these matters. Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com> Unsubscribe:
> > > ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com> List owner:
> > > ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com> Yahoo! Groups Links
> > > >

> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2586 members (as of 6/28/11). and attachments are
> > > NOT permitted. Any statements in ANY post that may be construed as
> > > inflamatory MAY be cause for suspension. Moderators WILL have final
> > > say in these matters. Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com> Unsubscribe:
> > > ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com> List owner:
> > > ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com> Yahoo! Groups Links
> > >
> > >
> > >
> >
> > ==========END CUT==========
> >
>
> ==========END CUT==========
>
> --
> This is an Uzi... This is an Uzi on full auto, any questions?
> Dave
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20321. G5RV

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 00:44:58 UTC
From: fred
Topic: 565 Message: 20321

Have a G5RV I use for field day with a Viking 1KW matchbox and can get a good match everywhere except 10 metres . feed is 31 ' of 450 ohm window line .
kd5pnt

20322. Re: [ham-antennas] G5RV

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 00:49:59 UTC
From: Artekmedia
Topic: 565 Message: 20322

Try adding a few inches to the feed line and then try 10M again

Dave
NR1DX

On 10/26/2011 7:44 PM, fred wrote:
>
> Have a G5RV I use for field day with a Viking 1KW matchbox and can get
> a good match everywhere except 10 metres . feed is 31 ' of 450 ohm
> window line .
> kd5pnt
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20323. Re: [ham-antennas] Re: wire loop antenna.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 03:11:10 UTC
From: James E.
Topic: 20270 Message: 20323

Is that article on the web somewhere or do I need the book? Would sure like to check it out.

I haven't managed to get an HF antenna up yet, as I have certain challenges of terrain and space (as well as money and chronic illness), but I am coming to the conclusion that some sort of wire loop will be the ticket for me. And if I can get one antenna to give me dx and short distance, that would be even more ideal.

73,
James, KF7RHM

On Wed, Oct 26, 2011 at 1:28 PM, <roger.h@...> wrote:

> Hello Jeff. Try this full wave delta loop on page 4-4 and 4-5 on ARRL (
> More wire antenna cliassics volume 2). You will be pleasently surprised I
> was sceptical at first but when I had it up finanally it played really good.
> It's in the triangle shape with the apex at 50' up my tower with 2 legs
> shooting out and down to 2 corner posts atached at 6' from ground. Of
> course the back 93' stretched tight at 6' level all away across. I then ran
> 157' of 450 ohm ladder line to 4:1 homemade balun. Then lmr 400 to remote
> coax switch them too shack which was 127'. I to like the low loss. The
> distances are a swag but close.of coax. It's cross polarised but with low
> and high angle radiation. This aloows you to work close in and DX. I have
> over a hundred countries since Feb just playing around. Boy is it quiet. The
> articile is by Doug Demaw. Try it you'll like it. I put mine at 3.650. The
> SWR is useable on several bands. I am going to put 2nd one in different
> direction. W4IV, 73, Roger PS: I feed at the corner post at 6' level.
>
> ----- Original Message -----
> From: "jeffrey lord" <jc_2aussie@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, October 25, 2011 7:42:16 AM
> Subject: [ham-antennas] Re: wire loop antenna.
>
>
>
>
>
>
>
> I am going to feed with open wire , do not like coax due to loss it incurs,
>
> I still have to make & mount the extra 2 supports, required.
>
> [Non-text portions of this message have been removed]
>

>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20324. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 12:27:17 UTC
From: Dave Cole
Topic: 20190 Message: 20324

Hi,

I got a copy, thanks to all for the help in this!!!!!

Dave
NK7Z

====================CUT==================
On Wed, 26 Oct 2011 19:21:54 -0500
Artekmedia <nr1dx@...> wrote:

> This is precisely why I recommend you use KO4BB.com for these things.
>
> Dave,NK7Z, I will get it and email it to you ..I have a "working
> account" on Ebaman , but you are not alone in your frustration many
> many people have trouble with the ebaman site
>
> QRX
> Dave
> NR1DX
>
>
>
> On 10/26/2011 7:10 PM, Dave Cole wrote:
> >
> > Created an account at
> > http://www.ebaman.com/
> > and it refuses to allow me to log in... Sigh... I do this stuff for
> > a living, so I am pretty sure I have it right. Hence the direct
> > request.
> >
> > Dave
> >
> > ====================CUT==================
> > On Wed, 26 Oct 2011 16:56:15 -0700
> > Dave Cole <dave@... <mailto:dave%40nk7z.net>> wrote:
> >
> > > Hi,
> > >
> > > Could you send it directly to me? dave@...
> > > <mailto:dave%40nk7z.net>
> > >
> > > Also, THANK YOU!!!!!
> > >
> > > ====================CUT==================
> > > On Wed, 26 Oct 2011 07:30:23 -0700 (PDT)

> > > Ken Burchfield <k5jxl@... <mailto:k5jxl%40yahoo.com>> wrote:
> > >
> > > >
> > > >
> > > >
> > > > PacketRadio is Still
> > > > Alive.......Mississippi.......145.010.......Simplex.......1200
> > > > Baud
> > > >
> > > > Attached is a file that I put together on the MFJ-206
> > > > Also can be found on Ebaman files
> > > > 73
> > > >
> > > > Ken
> > > >
> > > >
> > > >
> > > > _____
> > > > From: pchapman920 <p_chap@...
> > <mailto:p_chap%40bellsouth.net>>
> > > > To: ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
> > > > Sent: Tuesday, October 25, 2011 9:33 PM
> > > > Subject: [ham-antennas] Re: MFJ-206 Antenna Current Meter
> > > >
> > > > If you have free or cheap long distance phone, I would go that
> > > > route, it may bear more weight with them. Otherwise I did see a
> > > > manual for $2.95 on ebay. Just might add that I have called MFJ
> > > > twice for support over the last few years, and both times, they
> > > > treated me well. It was minor stuff, but all was OK in the end,
> > > > and the last call they said no problem returning under
> > > > warranty. I think everyone knows there is a long history of QC
> > > > issues there, but although a short record for me, do not have a
> > > > complaint with phone support.
> > > >
> > > > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, Dave Cole <dave@...> wrote:
> > > > >
> > > > > I'll give that a try... Thanks!!
> > > > >
> > > > > ====================CUT==================
> > > > > On Tue, 25 Oct 2011 12:53:24 -0000
> > > > > "pchapman920" <p_chap@...> wrote:
> > > > >
> > > > > > Have you tried contacting MFJ? Sometimes they will go an
> > > > > > extra mile.
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >

> > > >
> > > > ------------------------------------
> > > >
> > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > > Replies go to ALL 2586 members (as of 6/28/11). and
> > > > attachments are NOT permitted. Any statements in ANY post that
> > > > may be construed as inflamatory MAY be cause for suspension.
> > > > Moderators WILL have final say in these matters. Post message:
> > > > ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
> > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > <mailto:ham-antennas-subscribe%40yahoogroups.com> Unsubscribe:
> > > > ham-antennas-unsubscribe@yahoogroups.com
> > <mailto:ham-antennas-unsubscribe%40yahoogroups.com> List owner:
> > > > ham-antennas-owner@yahoogroups.com
> > <mailto:ham-antennas-owner%40yahoogroups.com> Yahoo! Groups Links
> > > > >
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > > >
> > > > >
> > > > > ------------------------------------
> > > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > > > Replies go to ALL 2586 members (as of 6/28/11). and attachments
> > > > > are NOT permitted. Any statements in ANY post that may be
> > > > > construed as inflamatory MAY be cause for suspension.
> > > > > Moderators WILL have final say in these matters. Post message:
> > > > > ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
> > > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > <mailto:ham-antennas-subscribe%40yahoogroups.com> Unsubscribe:
> > > > > ham-antennas-unsubscribe@yahoogroups.com
> > <mailto:ham-antennas-unsubscribe%40yahoogroups.com> List owner:
> > > > > ham-antennas-owner@yahoogroups.com
> > <mailto:ham-antennas-owner%40yahoogroups.com> Yahoo! Groups Links
> > > > >
> > > > >
> > > > >
> > > >
> > > > ==========END CUT==========
> > >
> > ==========END CUT==========
> >
> > --
> > This is an Uzi... This is an Uzi on full auto, any questions?
> > Dave

> >
> >
>

==========END CUT==========

--
This is an Uzi... This is an Uzi on full auto, any questions?
Dave

20325. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 12:53:21 UTC
From: Artekmedia
Topic: 20190 Message: 20325

Man that is a really complicated circuit isn't

The magic must be in the winding coil ...I'm guessing that is some kind
of ferrite rod from the photo with fancy plastic caps on the ends

Dave
NR1DX

On 10/27/2011 7:27 AM, Dave Cole wrote:
>
> Hi,
>
> I got a copy, thanks to all for the help in this!!!!!
>
> Dave
> NK7Z
>
> ====================CUT==================
> On Wed, 26 Oct 2011 19:21:54 -0500
> Artekmedia <nr1dx@... <mailto:nr1dx%40arrl.net>> wrote:
>
> > This is precisely why I recommend you use KO4BB.com for these things.
> >
> > Dave,NK7Z, I will get it and email it to you ..I have a "working
> > account" on Ebaman , but you are not alone in your frustration many
> > many people have trouble with the ebaman site
> >
> > QRX
> > Dave
> > NR1DX
> >
> >
> >
> > On 10/26/2011 7:10 PM, Dave Cole wrote:
> > >
> > > Created an account at
> > > http://www.ebaman.com/
> > > and it refuses to allow me to log in... Sigh... I do this stuff for
> > > a living, so I am pretty sure I have it right. Hence the direct
> > > request.
> > >
> > > Dave
> > >
> > > ====================CUT==================
> > > On Wed, 26 Oct 2011 16:56:15 -0700
> > > Dave Cole <dave@... <mailto:dave%40nk7z.net>

> <mailto:dave%40nk7z.net>> wrote:
> > >
> > > > Hi,
> > > >
> > > > Could you send it directly to me? dave@...
> <mailto:dave%40nk7z.net>
> > > > <mailto:dave%40nk7z.net>
> > > >
> > > > Also, THANK YOU!!!!!
> > > >
> > > > ====================CUT=================
> > > > On Wed, 26 Oct 2011 07:30:23 -0700 (PDT)
> > > > Ken Burchfield <k5jxl@... <mailto:k5jxl%40yahoo.com>
> <mailto:k5jxl%40yahoo.com>> wrote:
> > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > PacketRadio is Still
> > > > > Alive.......Mississippi.......145.010.......Simplex.......1200
> > > > > Baud
> > > > > >
> > > > > Attached is a file that I put together on the MFJ-206
> > > > > Also can be found on Ebaman files
> > > > > 73
> > > > > >
> > > > > Ken
> > > > > >
> > > > > >
> > > > > >
> > > > > _____
> > > > > From: pchapman920 <p_chap@...
> <mailto:p_chap%40bellsouth.net>
> > > <mailto:p_chap%40bellsouth.net>>
> > > > > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > Sent: Tuesday, October 25, 2011 9:33 PM
> > > > > Subject: [ham-antennas] Re: MFJ-206 Antenna Current Meter
> > > > > >
> > > > > If you have free or cheap long distance phone, I would go that
> > > > > route, it may bear more weight with them. Otherwise I did see a
> > > > > manual for $2.95 on ebay. Just might add that I have called MFJ
> > > > > twice for support over the last few years, and both times, they
> > > > > treated me well. It was minor stuff, but all was OK in the end,
> > > > > and the last call they said no problem returning under
> > > > > warranty. I think everyone knows there is a long history of QC
> > > > > issues there, but although a short record for me, do not have a
> > > > > complaint with phone support.
> > > > >

> > > > > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>, Dave Cole <dave@...> wrote:
> > > > > >
> > > > > > I'll give that a try... Thanks!!
> > > > > > >
> > > > > > ====================CUT==================
> > > > > > On Tue, 25 Oct 2011 12:53:24 -0000
> > > > > > "pchapman920" <p_chap@...> wrote:
> > > > > > >
> > > > > > > Have you tried contacting MFJ? Sometimes they will go an
> > > > > > > extra mile.
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > > ------------------------------------
> > > > > >
> > > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > > > > Replies go to ALL 2586 members (as of 6/28/11). and
> > > > > > attachments are NOT permitted. Any statements in ANY post that
> > > > > > may be construed as inflamatory MAY be cause for suspension.
> > > > > > Moderators WILL have final say in these matters. Post message:
> > > > > > ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com> Unsubscribe:
> > > > > > ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com> List owner:
> > > > > > ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > > <mailto:ham-antennas-owner%40yahoogroups.com> Yahoo! Groups Links
> > > > > >
> > > > > >
> > > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > > > >
> > > > > >
> > > > > > ------------------------------------
> > > > > >
> > > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > > > > Replies go to ALL 2586 members (as of 6/28/11). and attachments
> > > > > > are NOT permitted. Any statements in ANY post that may be
> > > > > > construed as inflamatory MAY be cause for suspension.
> > > > > > Moderators WILL have final say in these matters. Post message:

> > > > > ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com> Unsubscribe:
> > > > > ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com> List owner:
> > > > > ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > > <mailto:ham-antennas-owner%40yahoogroups.com> Yahoo! Groups Links
> > > > >
> > > > > >
> > > > > >
> > > > >
> > > > ==========END CUT==========
> > > >
> > >
> > > ==========END CUT==========
> > >
> > > --
> > > This is an Uzi... This is an Uzi on full auto, any questions?
> > > Dave
> > >
> > >
> >
>
> ==========END CUT==========
>
> --
> This is an Uzi... This is an Uzi on full auto, any questions?
> Dave
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20326. Another Loop Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 13:44:36 UTC
From: oceanbiz01
Topic: 20326 Message: 20326

Hello All

I am looking for a practical answer to a practical question.
Simply put, I have built a coax receiving loop for 160 meters RECEIVE only.
It seems to work well compared to my K9AY RX Loop.

http://www.k3zxl.com/Loop.htm

My question is:

Is it necessary to either :
A) Ground the junction box to a ground Rod ? The coax shield is grounded to the box internally
B) Is a ground plane or radial field required under the loop?

I am curious what source of info provides the answer such as a model of the antenna or some simple theory that I can understand.

So far, in my research of people using loops, I see no info on grounding. Some people put loops in their attics, or gardens or operate portable with loops.

Any info will be greatly appreciated.

Dan K3ZXL

20327. Re: [ham-antennas] Another Loop Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 14:34:43 UTC
From: Ron Youvan
Topic: 20326 Message: 20327

Dan K3ZXL oceanbiz01 wrote:

> I am looking for a practical answer to a practical question.
> Simply put, I have built a coax receiving loop for 160 meters RECEIVE only.
> It seems to work well compared to my K9AY RX Loop.

> http://www.k3zxl.com/Loop.htm

> My question is:

> Is it necessary to either :
> A) Ground the junction box to a ground Rod ? The coax shield is grounded to the box internally
> B) Is a ground plane or radial field required under the loop?

> I am curious what source of info provides the answer such as a model of the antenna or some simple
> theory that I can understand.

> So far, in my research of people using loops, I see no info on grounding. Some people put loops in
> their attics, or gardens or operate portable with loops.

> Any info will be greatly appreciated.

No antenna "REQUIRES" a ground, a half of a dipole needs a counter poise to complete it.
Using dirt (and a 8 or 10 foot rod) is a poor substitute for a counterpoise.
If a loop of any kind needs a counterpoise it can't be much of a loop.
I would have connected the feedline to the outer and left the inner conductor alone, did you try that?
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20328. Re: [ham-antennas] Another Loop Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 14:51:30 UTC
From: Dan Schaaf
Topic: 20326 Message: 20328

Ron
This is a magnetic loop. The outer (shield) is split at the top of the loop. The shield acts as an electrostatic shield. See the schematic of a magnetic loop at the bottom of my web link in my original email. This is standard practice for a mag loop.

Best Regards
Dan Schaaf

----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 27, 2011 10:34 AM
Subject: Re: [ham-antennas] Another Loop Antenna Question

Dan K3ZXL oceanbiz01 wrote:

> I am looking for a practical answer to a practical question.
> Simply put, I have built a coax receiving loop for 160 meters RECEIVE only.
> It seems to work well compared to my K9AY RX Loop.

> http://www.k3zxl.com/Loop.htm

> My question is:

> Is it necessary to either :
> A) Ground the junction box to a ground Rod ? The coax shield is grounded to the box internally
> B) Is a ground plane or radial field required under the loop?

> I am curious what source of info provides the answer such as a model of the antenna or some simple
> theory that I can understand.

> So far, in my research of people using loops, I see no info on grounding. Some people put loops in
> their attics, or gardens or operate portable with loops.

> Any info will be greatly appreciated.

No antenna "REQUIRES" a ground, a half of a dipole needs a counter poise to complete it.
Using dirt (and a 8 or 10 foot rod) is a poor substitute for a counterpoise.
If a loop of any kind needs a counterpoise it can't be much of a loop.
I would have connected the feedline to the outer and left the inner conductor alone, did you try that?
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

20329. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 14:53:22 UTC
From: Ken Burchfield
Topic: 20190 Message: 20329

Hi Guys,I can understand your frustration, I would be too if I had that
problem.
I have had an account for several years without a problem.
Maybe if you contact Tomas he can do something to correct the problem
Ko4BB is a nice site,but Tomas has many files that Ko4BB does not.'
Dave Cole, I hope you got the file when I sent direct when I posted a reply.
I surf the net for Ham related projects and try to help other when I can.
I have much time for the computer!
I had open heart surgery ,4 bypasses,and pace maker, several months ago ,
and my wife, dislikes me to stay out of site vry long.
73 to all Ken

"Please report anything that doesn't seem to work OK.
Look under Help if you experience any problems."
Best Regards
Tomas Larsson

If anyone wants to contribute or have other great ideas/knowledge for the site itself (not uploading stuff), please Contactme.

 PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Artekmedia <nr1dx@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 26, 2011 7:21 PM
Subject: Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

This is precisely why I recommend you use KO4BB.com for these things.

Dave,NK7Z, I will get it and email it to you ..I have a "working
account" on Ebaman , but you are not alone in your frustration many many
people have trouble with the ebaman site

QRX
Dave
NR1DX

On 10/26/2011 7:10 PM, Dave Cole wrote:
>
> Created an account at
> http://www.ebaman.com/
> and it refuses to allow
me to log in... Sigh... I do this stuff for a
> living, so I am pretty sure I have it right. Hence the direct request.
>
> Dave

>
> ====================CUT==================
> On Wed, 26 Oct 2011 16:56:15 -0700
> Dave Cole <dave@nk7z.net <mailto:dave%40nk7z.net>> wrote:
>
> > Hi,
> >
> > Could you send it directly to me? dave@... <mailto:dave%40nk7z.net>
> >
> > Also, THANK YOU!!!!!
> >
> > ====================CUT==================
> > On Wed, 26 Oct 2011 07:30:23 -0700 (PDT)
> > Ken Burchfield <k5jxl@... <mailto:k5jxl%40yahoo.com>> wrote:
> >
> > > >
> > >
> >
> > > >
> > > > PacketRadio is Still
> > > > Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
> > > >
> > > > Attached is a file that I put together on the MFJ-206
> > > > Also can be found on Ebaman files
> > > > 73
> > > >
> > > > Ken
> > > >
> > > >
> > > >
> > > > _____
> > > > From: pchapman920 <p_chap@...
> <mailto:p_chap%40bellsouth.net>>
> > > > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > > Sent: Tuesday, October 25, 2011 9:33 PM
> > > > Subject: [ham-antennas] Re: MFJ-206
Antenna Current Meter
> > > >

[Non-text portions of this message have been removed]

20330. Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 14:57:59 UTC
From: Ken Burchfield
Topic: 20190 Message: 20330

Dave Cole,
I may have sent the file to the wrong email,
I will try to do Better!
Sorry,
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Ken Burchfield <k5jxl@...>
To: "ham-antennas@...m" <ham-antennas@yahoogroups.com>
Sent: Thursday, October 27, 2011 9:53 AM
Subject: Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

Hi Guys,I can understand your frustration, I would be too if I had that
problem.
I have had an account for several years without a problem.
Maybe if you contact Tomas he can do something to correct the problem
Ko4BB is a nice site,but Tomas has many files that Ko4BB does not.'
Dave Cole, I hope you got the file when I sent direct when I posted a reply.
I surf the net for Ham related projects and try to help other when I can.
I have much time for the computer!
I had open heart surgery ,4 bypasses,and pace maker, several months ago ,
and my wife, dislikes me to stay out of site vry long.
73 to all Ken

"Please report anything that doesn't seem to work OK.
Look under Help if you experience any problems."
Best Regards
Tomas Larsson

If anyone wants to contribute or have other great ideas/knowledge for the site itself (not uploading stuff), please Contactme.

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Artekmedia <nr1dx@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 26, 2011 7:21 PM
Subject: Re: [ham-antennas] Re: MFJ-206 Antenna Current Meter

This is precisely why I recommend you use KO4BB.com for these things.

Dave,NK7Z, I will get it and email it to you ..I have a "working
account" on Ebaman , but you are
not alone in your frustration many many

people have trouble with the ebaman site

QRX
Dave
NR1DX

On 10/26/2011 7:10 PM, Dave Cole wrote:
>
> Created an account at
> http://www.ebaman.com/
> and it refuses to allow
me to log in... Sigh... I do this stuff for a
> living, so I am pretty sure I have it right. Hence the direct request.
>
> Dave
>
> ====================CUT==================
> On Wed, 26 Oct 2011 16:56:15 -0700
> Dave Cole <dave@... <mailto:dave%40nk7z.net>> wrote:
>
> > Hi,
> >
> > Could you send it directly to me? dave@... <mailto:dave%40nk7z.net>
> >
> > Also, THANK YOU!!!!!
> >
> > ====================CUT==================
> > On Wed, 26 Oct 2011 07:30:23 -0700 (PDT)
> > Ken Burchfield <k5jxl@... <mailto:k5jxl%40yahoo.com>> wrote:
> >
> > > >
> > >
> >
> > > > > PacketRadio is Still
> > > > Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
> > > >
> > > > Attached is a file that I put together on the MFJ-206
> > > > Also can be found on Ebaman files
> > > > 73
> > > >
> > > > Ken
> > > >
> > > >

[Non-text portions of this message have been removed]

20331. Re: [ham-antennas] Another Loop Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 15:10:44 UTC
From: Artekmedia
Topic: 20326 Message: 20331

Dan

in my opinion and experience the grounding of a magnetic loop is not a
requirement.

Nice construction by the way ...very professional. The results that you
list in actual usage seem to indicate that the thing is working as
described. The next project might be a simple preamp for the beast for
weak signal work but again in my experience the preamp doesn't usually
add all that much and in fact can in some instances slightly degrade the
signal to noise performance which is what loops are all about to begin with

Dave
NR1DX

On 10/27/2011 8:44 AM, oceanbiz01 wrote:
>
> Hello All
>
> I am looking for a practical answer to a practical question.
> Simply put, I have built a coax receiving loop for 160 meters RECEIVE
> only.
> It seems to work well compared to my K9AY RX Loop.
>
> http://www.k3zxl.com/Loop.htm
>
> My question is:
>
> Is it necessary to either :
> A) Ground the junction box to a ground Rod ? The coax shield is
> grounded to the box internally
> B) Is a ground plane or radial field required under the loop?
>
> I am curious what source of info provides the answer such as a model
> of the antenna or some simple theory that I can understand.
>
> So far, in my research of people using loops, I see no info on
> grounding. Some people put loops in their attics, or gardens or
> operate portable with loops.
>
> Any info will be greatly appreciated.
>
> Dan K3ZXL
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20332. Re: [ham-antennas] Another Loop Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 15:46:27 UTC
From: Dan Schaaf
Topic: 20326 Message: 20332

Hi Dave

Thanks for your reply.

In fact I am using a Clifton Labs 20 db preamp in the shack with an A/B switch to switch between the K9AY Loop and the coax loop for test purposes. The preamp can be switched in and out also.
I have BCB filter that I can switch in/out also from Clifton labs but it has about a 1 or 2 S Unit deop in signals and noise when switched in.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Artekmedia
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 27, 2011 11:10 AM
Subject: Re: [ham-antennas] Another Loop Antenna Question

Dan

in my opinion and experience the grounding of a magnetic loop is not a
requirement.

Nice construction by the way ...very professional. The results that you
list in actual usage seem to indicate that the thing is working as
described. The next project might be a simple preamp for the beast for
weak signal work but again in my experience the preamp doesn't usually
add all that much and in fact can in some instances slightly degrade the
signal to noise performance which is what loops are all about to begin with

Dave
NR1DX

On 10/27/2011 8:44 AM, oceanbiz01 wrote:
>
> Hello All
>
> I am looking for a practical answer to a practical question.
> Simply put, I have built a coax receiving loop for 160 meters RECEIVE
> only.
> It seems to work well compared to my K9AY RX Loop.

>
> http://www.k3zxl.com/Loop.htm
>
> My question is:
>
> Is it necessary to either :
> A) Ground the junction box to a ground Rod ? The coax shield is
> grounded to the box internally
> B) Is a ground plane or radial field required under the loop?
>
> I am curious what source of info provides the answer such as a model
> of the antenna or some simple theory that I can understand.
>
> So far, in my research of people using loops, I see no info on
> grounding. Some people put loops in their attics, or gardens or
> operate portable with loops.
>
> Any info will be greatly appreciated.
>
> Dan K3ZXL
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20333. AW: [ham-antennas] Scorpion Home Install Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 18:33:18 UTC
From: Siegfried Jackstien
Topic: 20309 Message: 20333

Huh ... nice antenna ... but not cheap

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m] Im
> Auftrag von Jim
> Gesendet: Mittwoch, 26. Oktober 2011 14:50
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Scorpion Home Install Antenna
>
>
>
> I am looking at the Scorpion 10-80m or the 10-160m antennas. Any one with
> experience on either?
>
> http://www.scorpionantennas.com/index.php?option=com_content&view=article&
> id=48&Itemid=37
>
> 73s
> Jim
>
>
>
>

20334. multipile 2M/440 cm antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 20:53:21 UTC
From: sardean
Topic: 20334 Message: 20334

I was told by a friend that having two VHF/UHF antennas on my roof was counter productive. I had one at the back not connected to the radio and one in the middle of the roof connected to my 857D. Its when I was having my static crashes and I wanted to know if it was my antenna, and I found out it wasn't.

My question is will it hurt to have two antennas on the roof well away from each other when one is not connected to any radio.

73, WY6L

20335. Re: [ham-antennas] multipile 2M/440 cm antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 21:51:27 UTC
From: Larry Tooley
Topic: 20334 Message: 20335

Why not switch between them. The more antennas the better.
----- Original Message -----
From: sardean
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 27, 2011 3:53 PM
Subject: [ham-antennas] multipile 2M/440 cm antennas

I was told by a friend that having two VHF/UHF antennas on my roof was counter productive. I had one at the back not connected to the radio and one in the middle of the roof connected to my 857D. Its when I was having my static crashes and I wanted to know if it was my antenna, and I found out it wasn't.

My question is will it hurt to have two antennas on the roof well away from each other when one is not connected to any radio.

73, WY6L

[Non-text portions of this message have been removed]

20336. adding phasing stub to 1/4 wv 2meter (mobile ant.)for 70cm dual band operation

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 22:25:58 UTC
From: kb3svj@ymail.com
Topic: 20336 Message: 20336

Hello All:

I seem to recall an article where a fellow wanted to be able to use his existing 2M 1/4 wave mobile antenna for 70cm operations since he had a 2m/70cm dual band TX/Rx mobile rig. Needless to say,
I can't find it in my QST's and CQ mags.

How he did it was to bend a piece of stout wire (what he would call a phasing wire) into a "j" shape. I think the new element was roughly 1/4 wave long (not sure where in the band) with the first bend at only about 1" and the second bend =/< then an inch. The inch portion would hold the new element away from the main 2m element by an 1" while the second bend would provide the mating surface to attach new element to the old. I think he sweated the two together.

Now, the orientation of the new element was upside down, not right side up as one would expect to see in a j-pole. My guess is that the setup is acting like a parasitic element (although I guess a true parasitic element would not have physical contact with the main radiating element-what do I know-advise accordingly plz) and allowing for the radiated signal to be emitted.
While he did claim that the SWR was OK on both bands, his assessment-in a nutshell- was that he was merely able to communicate on 70 cm in addition to 2m. He found no change (I'm assuming no negative change) in is 2m performance with the addition of the stub.

Too, I am wondering it the radiation angle higher for 70cm would be higher then if the antenna was solely 70cm 1/4 wave or if it would have the same angle of takeoff as said mono band 1/4 wave.

Thanks

John kb3svj

ps: I built a simple 1/4 antenna system for one of our club members who's less fortunate then I; the main feature is that he merely has to switch out the radiating element and the radial elements from a barrel connector. Mind you, it's not an all weather antenna but it should afford him the ability to get into repeaters while his apt (restriction on ext. antennas) on either band (one at a time. That's why, I was wanting to make a dual band antenna in the manner described.

20337. Re: [ham-antennas] Another Loop Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-27 23:35:58 UTC
From: Artekmedia
Topic: 20326 Message: 20337

Dan

So side by side how does your new loop compare to the k9AY loop?

Dave
NR1DX

On 10/27/2011 10:46 AM, Dan Schaaf wrote:
>
> Hi Dave
>
> Thanks for your reply.
>
> In fact I am using a Clifton Labs 20 db preamp in the shack with an
> A/B switch to switch between the K9AY Loop and the coax loop for test
> purposes. The preamp can be switched in and out also.
> I have BCB filter that I can switch in/out also from Clifton labs but
> it has about a 1 or 2 S Unit deop in signals and noise when switched in.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> ----- Original Message -----
> From: Artekmedia
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, October 27, 2011 11:10 AM
> Subject: Re: [ham-antennas] Another Loop Antenna Question
>
> Dan
>
> in my opinion and experience the grounding of a magnetic loop is not a
> requirement.
>
> Nice construction by the way ...very professional. The results that you
> list in actual usage seem to indicate that the thing is working as
> described. The next project might be a simple preamp for the beast for
> weak signal work but again in my experience the preamp doesn't usually
> add all that much and in fact can in some instances slightly degrade the
> signal to noise performance which is what loops are all about to begin
> with
>

> Dave
> NR1DX
>
> On 10/27/2011 8:44 AM, oceanbiz01 wrote:
> >
> > Hello All
> >
> > I am looking for a practical answer to a practical question.
> > Simply put, I have built a coax receiving loop for 160 meters RECEIVE
> > only.
> > It seems to work well compared to my K9AY RX Loop.
> >
> > http://www.k3zxl.com/Loop.htm
> >
> > My question is:
> >
> > Is it necessary to either :
> > A) Ground the junction box to a ground Rod ? The coax shield is
> > grounded to the box internally
> > B) Is a ground plane or radial field required under the loop?
> >
> > I am curious what source of info provides the answer such as a model
> > of the antenna or some simple theory that I can understand.
> >
> > So far, in my research of people using loops, I see no info on
> > grounding. Some people put loops in their attics, or gardens or
> > operate portable with loops.
> >
> > Any info will be greatly appreciated.
> >
> > Dan K3ZXL
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...

www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20338. Re: [ham-antennas] Another Loop Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-28 00:06:05 UTC
From: Dan Schaaf
Topic: 20326 Message: 20338

Dave
Presently I can onlly hear within 6000 miles due to conditions but both loops seem to perform the same. More testing required

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Artekmedia
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 27, 2011 7:35 PM
Subject: Re: [ham-antennas] Another Loop Antenna Question

Dan

So side by side how does your new loop compare to the k9AY loop?

Dave
NR1DX

On 10/27/2011 10:46 AM, Dan Schaaf wrote:
>
> Hi Dave
>
> Thanks for your reply.
>
> In fact I am using a Clifton Labs 20 db preamp in the shack with an
> A/B switch to switch between the K9AY Loop and the coax loop for test
> purposes. The preamp can be switched in and out also.
> I have BCB filter that I can switch in/out also from Clifton labs but
> it has about a 1 or 2 S Unit deop in signals and noise when switched in.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> ----- Original Message -----

> From: Artekmedia
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, October 27, 2011 11:10 AM
> Subject: Re: [ham-antennas] Another Loop Antenna Question
>
> Dan
>
> in my opinion and experience the grounding of a magnetic loop is not a
> requirement.
>
> Nice construction by the way ...very professional. The results that you
> list in actual usage seem to indicate that the thing is working as
> described. The next project might be a simple preamp for the beast for
> weak signal work but again in my experience the preamp doesn't usually
> add all that much and in fact can in some instances slightly degrade the
> signal to noise performance which is what loops are all about to begin
> with
>
> Dave
> NR1DX
>
> On 10/27/2011 8:44 AM, oceanbiz01 wrote:
> >
> > Hello All
> >
> > I am looking for a practical answer to a practical question.
> > Simply put, I have built a coax receiving loop for 160 meters RECEIVE
> > only.
> > It seems to work well compared to my K9AY RX Loop.
> >
> > http://www.k3zxl.com/Loop.htm
> >
> > My question is:
> >
> > Is it necessary to either :
> > A) Ground the junction box to a ground Rod ? The coax shield is
> > grounded to the box internally
> > B) Is a ground plane or radial field required under the loop?
> >
> > I am curious what source of info provides the answer such as a model
> > of the antenna or some simple theory that I can understand.
> >
> > So far, in my research of people using loops, I see no info on
> > grounding. Some people put loops in their attics, or gardens or
> > operate portable with loops.
> >
> > Any info will be greatly appreciated.
> >
> > Dan K3ZXL
> >

> >
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20339. RE: [ham-antennas] Scorpion Home Install Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-28 00:07:55 UTC
From: goldtr8@charter.net
Topic: 20309 Message: 20339

Hi Jim

I use one for my mobile jeep insallatiopn and love it. It works fantastic and I also have another mobile install that does not have a scorpion and I can tell you that this is a fantasitc antenna.

Let me know if you have specific questions.

73's
Don
KD8NNU

On Wed, Oct 26, 2011 at 10:49 AM, Jim wrote:

I am looking at the Scorpion 10-80m or the 10-160m antennas. Any one with experience on either?

http://www.scorpionantennas.com/index.php?option=com_content&view=article&id=48&Itemid=37 <http://www.scorpionantennas.com/index.php?option=com_content&view=article&id=48&Itemid=37>

73s
Jim

<http://www.scorpionantennas.com/index.php?option=com_content&view=article&id=48&Itemid=37>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20340. Re: [ham-antennas] Another Loop Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-28 00:10:15 UTC
From: Artekmedia
Topic: 20326 Message: 20340

Long path is rare on 160M , although I have had some memorable QSO's
that way. Comparing signals from Europe is probably good enough ....much
longer than 3000 miles is usually multi hop anyway and the arrival angle
is the same

Dave
NR1DX

On 10/27/2011 7:06 PM, Dan Schaaf wrote:
>
> Dave
> Presently I can onlly hear within 6000 miles due to conditions but
> both loops seem to perform the same. More testing required
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> ----- Original Message -----
> From: Artekmedia
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, October 27, 2011 7:35 PM
> Subject: Re: [ham-antennas] Another Loop Antenna Question
>
> Dan
>
> So side by side how does your new loop compare to the k9AY loop?
>
> Dave
> NR1DX
>
> On 10/27/2011 10:46 AM, Dan Schaaf wrote:
> >
> > Hi Dave
> >
> > Thanks for your reply.
> >
> > In fact I am using a Clifton Labs 20 db preamp in the shack with an
> > A/B switch to switch between the K9AY Loop and the coax loop for test
> > purposes. The preamp can be switched in and out also.
> > I have BCB filter that I can switch in/out also from Clifton labs but

> > it has about a 1 or 2 S Unit deop in signals and noise when switched in.
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com
> > NOBSKA www.nobska.net
> > Cape Cod Instruments www.gnm-inc.com
> > Tel: 941-766-0706
> > Fax: 941-766-0707
> >
> > ----- Original Message -----
> > From: Artekmedia
> > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Thursday, October 27, 2011 11:10 AM
> > Subject: Re: [ham-antennas] Another Loop Antenna Question
> >
> > Dan
> >
> > in my opinion and experience the grounding of a magnetic loop is not a
> > requirement.
> >
> > Nice construction by the way ...very professional. The results that you
> > list in actual usage seem to indicate that the thing is working as
> > described. The next project might be a simple preamp for the beast for
> > weak signal work but again in my experience the preamp doesn't usually
> > add all that much and in fact can in some instances slightly degrade the
> > signal to noise performance which is what loops are all about to begin
> > with
> >
> > Dave
> > NR1DX
> >
> > On 10/27/2011 8:44 AM, oceanbiz01 wrote:
> > >
> > > Hello All
> > >
> > > I am looking for a practical answer to a practical question.
> > > Simply put, I have built a coax receiving loop for 160 meters RECEIVE
> > > only.
> > > It seems to work well compared to my K9AY RX Loop.
> > >
> > > http://www.k3zxl.com/Loop.htm
> > >
> > > My question is:
> > >
> > > Is it necessary to either :
> > > A) Ground the junction box to a ground Rod ? The coax shield is
> > > grounded to the box internally

> > > B) Is a ground plane or radial field required under the loop?
> > >
> > > I am curious what source of info provides the answer such as a model
> > > of the antenna or some simple theory that I can understand.
> > >
> > > So far, in my research of people using loops, I see no info on
> > > grounding. Some people put loops in their attics, or gardens or
> > > operate portable with loops.
> > >
> > > Any info will be greatly appreciated.
> > >
> > > Dan K3ZXL
> > >
> > >
> >
> > --
> > Dave& Lynn Henderson
> > Manuals@... <mailto:Manuals%40ArtekMedia.com>
> <mailto:Manuals%40ArtekMedia.com>
> > www.Artekmedia.com
> > PO Box 175
> > Welch,MN 55089
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20341. Re: [ham-antennas] Another Loop Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-28 00:25:37 UTC
From: Dan Schaaf
Topic: 20326 Message: 20341

<<< multi hop anyway and the arrival angle
is the same >>

yes, but there is attenuation with each hop.

I am thinking that perhaps the narrow beamwidth and High Q of the mag loop offsets the gain advantage of the untuned wideband K9AY Loop and the results may be equal in the end.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Artekmedia
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 27, 2011 8:10 PM
Subject: Re: [ham-antennas] Another Loop Antenna Question

Long path is rare on 160M , although I have had some memorable QSO's
that way. Comparing signals from Europe is probably good enough ....much
longer than 3000 miles is usually multi hop anyway and the arrival angle
is the same

Dave
NR1DX

On 10/27/2011 7:06 PM, Dan Schaaf wrote:
>
> Dave
> Presently I can onlly hear within 6000 miles due to conditions but
> both loops seem to perform the same. More testing required
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> ----- Original Message -----
> From: Artekmedia
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> Sent: Thursday, October 27, 2011 7:35 PM
> Subject: Re: [ham-antennas] Another Loop Antenna Question
>
> Dan
>
> So side by side how does your new loop compare to the k9AY loop?
>
> Dave
> NR1DX
>
> On 10/27/2011 10:46 AM, Dan Schaaf wrote:
> >
> > Hi Dave
> >
> > Thanks for your reply.
> >
> > In fact I am using a Clifton Labs 20 db preamp in the shack with an
> > A/B switch to switch between the K9AY Loop and the coax loop for test
> > purposes. The preamp can be switched in and out also.
> > I have BCB filter that I can switch in/out also from Clifton labs but
> > it has about a 1 or 2 S Unit deop in signals and noise when switched in.
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com
> > NOBSKA www.nobska.net
> > Cape Cod Instruments www.gnm-inc.com
> > Tel: 941-766-0706
> > Fax: 941-766-0707
> >
> > ----- Original Message -----
> > From: Artekmedia
> > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Thursday, October 27, 2011 11:10 AM
> > Subject: Re: [ham-antennas] Another Loop Antenna Question
> >
> > Dan
> >
> > in my opinion and experience the grounding of a magnetic loop is not a
> > requirement.
> >
> > Nice construction by the way ...very professional. The results that you
> > list in actual usage seem to indicate that the thing is working as
> > described. The next project might be a simple preamp for the beast for
> > weak signal work but again in my experience the preamp doesn't usually
> > add all that much and in fact can in some instances slightly degrade the
> > signal to noise performance which is what loops are all about to begin
> > with

> >
> > Dave
> > NR1DX
> >
> > On 10/27/2011 8:44 AM, oceanbiz01 wrote:
> > >
> > > Hello All
> > >
> > > I am looking for a practical answer to a practical question.
> > > Simply put, I have built a coax receiving loop for 160 meters RECEIVE
> > > only.
> > > It seems to work well compared to my K9AY RX Loop.
> > >
> > > http://www.k3zxl.com/Loop.htm
> > >
> > > My question is:
> > >
> > > Is it necessary to either :
> > > A) Ground the junction box to a ground Rod ? The coax shield is
> > > grounded to the box internally
> > > B) Is a ground plane or radial field required under the loop?
> > >
> > > I am curious what source of info provides the answer such as a model
> > > of the antenna or some simple theory that I can understand.
> > >
> > > So far, in my research of people using loops, I see no info on
> > > grounding. Some people put loops in their attics, or gardens or
> > > operate portable with loops.
> > >
> > > Any info will be greatly appreciated.
> > >
> > > Dan K3ZXL
> > >
> > >
> >
> > --
> > Dave& Lynn Henderson
> > Manuals@... <mailto:Manuals%40ArtekMedia.com>
> <mailto:Manuals%40ArtekMedia.com>
> > www.Artekmedia.com
> > PO Box 175
> > Welch,MN 55089
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> --

> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20342. RE: [ham-antennas] multipile 2M/440 cm antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-28 07:58:32 UTC
From: jo barden
Topic: 20334 Message: 20342

My take is that any conductor close to a transmitting antenna will have some level of signal induced, the value of this induced signal is dependant on many variables including the inverse square law with distance, length of conductor and also the gain of both antennas etc. etc. but truth be told I have an OCFD about 6ft away/higher from a G5RV between my house and walnut tree along with a vertical 30ft away from both. So am I going to get interaction between them all? you bet.

But my plot is approx 30x300ft so stuck with it. My own view is try it. Just ground any antennas not in use and have fun.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Thu, 27 Oct 2011 20:53:21 +0000
Subject: [ham-antennas] multipile 2M/440 cm antennas

I was told by a friend that having two VHF/UHF antennas on my roof was counter productive. I had one at the back not connected to the radio and one in the middle of the roof connected to my 857D. Its when I was having my static crashes and I wanted to know if it was my antenna, and I found out it wasn't.

My question is will it hurt to have two antennas on the roof well away from each other when one is not connected to any radio.

73, WY6L

[Non-text portions of this message have been removed]

20343. Re: [ham-antennas] multiple 2M/440 cm antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-28 14:50:11 UTC
From: dean
Topic: 20334 Message: 20343

So what is the minimum distance you can put 2 VHF/UHF antennas apart that are mag mounts on a vehicle roof. Mine are over 4 Ft. apart and one is not connected to any radio at all. The one I normally use is like 6" from my car radio antenna and I don't have any problem hitting the repeater or repeaters that are a long way away.

73, WY6L

-----Original Message-----
From: jo barden
Sent: Friday, October 28, 2011 12:58 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] multipile 2M/440 cm antennas

My take is that any conductor close to a transmitting antenna will have some level of signal induced, the value of this induced signal is dependant on many variables including the inverse square law with distance, length of conductor and also the gain of both antennas etc. etc. but truth be told I have an OCFD about 6ft away/higher from a G5RV between my house and walnut tree along with a vertical 30ft away from both. So am I going to get interaction between them all? you bet.

But my plot is approx 30x300ft so stuck with it. My own view is try it. Just ground any antennas not in use and have fun.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Thu, 27 Oct 2011 20:53:21 +0000
Subject: [ham-antennas] multipile 2M/440 cm antennas

I was told by a friend that having two VHF/UHF antennas on my roof was counter productive. I had one at the back not connected to the radio and one in the middle of the roof connected to my 857D. Its when I was having my static crashes and I wanted to know if it was my antenna, and I found out it wasn't.

My question is will it hurt to have two antennas on the roof well away from each other when one is not connected to any radio.

73, WY6L

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20344. RE: Unsubscribe

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-28 20:03:44 UTC
From: tntatty@aol.com
Topic: 20344 Message: 20344

Unsubscribe

[Non-text portions of this message have been removed]

20345. Re: [ham-antennas] RE: Unsubscribe

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-29 00:15:52 UTC
From: James E.
Topic: 20344 Message: 20345

On Fri, Oct 28, 2011 at 1:03 PM, <tntatty@...> wrote:

> Unsubscribe
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20346. Re: Unsubscribe

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-29 03:11:48 UTC
From: urei
Topic: 20344 Message: 20346

You can do it yourself. In fact, you have to do it yourself.
at the top of this page click on "Edit Membership"
Next page, scroll to bottom and click "Leave Group" It'll ask if you're sure. Confirm and you're done. Sorry to see you go.

--- In ham-antennas@yahoogroups.com, "James E." <seamasmc@...> wrote:
>
>
> On Fri, Oct 28, 2011 at 1:03 PM, <tntatty@...> wrote:
>
> > Unsubscribe
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

20347. Re: [ham-antennas] Re: Unsubscribe

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-29 04:04:13 UTC
From: Benjamin Straw - KC9UNS
Topic: 20344 Message: 20347

You can also unsubscribe via the email address below each post/email

Sent from my iPhone

On Oct 28, 2011, at 10:11 PM, "urei" <ureii@...> wrote:

> You can do it yourself. In fact, you have to do it yourself.
> at the top of this page click on "Edit Membership"
> Next page, scroll to bottom and click "Leave Group" It'll ask if you're sure. Confirm and you're done. Sorry to see you go.
>
> --- In ham-antennas@yahoogroups.com, "James E." <seamasmc@...> wrote:
> >
> >
> > On Fri, Oct 28, 2011 at 1:03 PM, <tntatty@...> wrote:
> >
> > > Unsubscribe
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be
> > > cause for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > List owner: ham-antennas-owner@yahoogroups.com
> > > Yahoo! Groups Links
> > >
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >

[Non-text portions of this message have been removed]

20348. AW: [ham-antennas] adding phasing stub to 1/4 wv 2meter (mobile ant.)for 70cm dual band operation

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-29 20:42:16 UTC
From: Siegfried Jackstien
Topic: 20336 Message: 20348

The stub is added halfwave (on 70cm) up from the base
The current up and down again does cancel (like in a ladderline)
So the stub is acting like a trap
Only the lower third of the antenna is radiating on uhf (so thr plan on this type of antenna)
i could model it in mmama to say if it is right what I am guessing :-)
greetz
dg9bfc
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von kb3svj@...
> Gesendet: Donnerstag, 27. Oktober 2011 22:26
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] adding phasing stub to 1/4 wv 2meter (mobile
> ant.)for 70cm dual band operation
>
>
>
> Hello All:
>
> I seem to recall an article where a fellow wanted to be able to use his
> existing 2M 1/4 wave mobile antenna for 70cm operations since he had a
> 2m/70cm dual band TX/Rx mobile rig. Needless to say,
> I can't find it in my QST's and CQ mags.
>
> How he did it was to bend a piece of stout wire (what he would call a
> phasing wire) into a "j" shape. I think the new element was roughly 1/4
> wave long (not sure where in the band) with the first bend at only about
> 1" and the second bend =/< then an inch. The inch portion would hold the
> new element away from the main 2m element by an 1" while the second bend
> would provide the mating surface to attach new element to the old. I think
> he sweated the two together.
>
> Now, the orientation of the new element was upside down, not right side up
> as one would expect to see in a j-pole. My guess is that the setup is
> acting like a parasitic element (although I guess a true parasitic element
> would not have physical contact with the main radiating element-what do I
> know-advise accordingly plz) and allowing for the radiated signal to be
> emitted.
> While he did claim that the SWR was OK on both bands, his assessment-in a
> nutshell- was that he was merely able to communicate on 70 cm in addition
> to 2m. He found no change (I'm assuming no negative change) in is 2m

> performance with the addition of the stub.
>
> Too, I am wondering it the radiation angle higher for 70cm would be higher
> then if the antenna was solely 70cm 1/4 wave or if it would have the same
> angle of takeoff as said mono band 1/4 wave.
>
> Thanks
>
> John kb3svj
>
> ps: I built a simple 1/4 antenna system for one of our club members who's
> less fortunate then I; the main feature is that he merely has to switch
> out the radiating element and the radial elements from a barrel connector.
> Mind you, it's not an all weather antenna but it should afford him the
> ability to get into repeaters while his apt (restriction on ext. antennas)
> on either band (one at a time. That's why, I was wanting to make a dual
> band antenna in the manner described.
>
>
>
>

20349. mini horse antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-29 23:05:44 UTC
From: fly_ul
Topic: 20349 Message: 20349

On the following webpage http://hem.passagen.se/sm0dtk/ SM0DTK discusses the mini horse antenna. It states it has 10 db gain.

Has anyone built this antenna? Does anyone have a link or copy of the QST March 2010 article by SMODTK.

This looks like an antenna I would like to attempt to build.

Thanks

WO4R

20350. Help with Butternut HF6V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-29 23:12:52 UTC
From: Artekmedia
Topic: 20350 Message: 20350

I drug an old butternut vertical that I had in storage out this weekend and put it up so I could get back on the air this winter after an 8 year sabbatical (working my @$$ off sabbatical?) any way everything is up and working reasonably well on most bands the 30 meter resonator had a damaged cap which I will need to replace but beyond that the SWR is below 2:1 on all bands

I have one small problem left..... the base matching coil that goes across the input to ground is MIA. Not hard to make one but I need to know the number of turns and the diameter of the coil. Could someone out there with a B-nut go out and count the number of turns and measure the diameter of their coil

Tnxs
Dave
NR1DX

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

20351. Re: [ham-antennas] Help with Butternut HF6V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-29 23:50:38 UTC
From: Mark Kelner
Topic: 20350 Message: 20351

Hi Dave,
    I ran out to my ant. barn and did a count on one of mine.Looks like 17 or 18 turns. I'ts been around for awhile so
 a little streched out. It's app. 1 & 1/2 inch in dia.
   Hope this gets you in the ball park.
   73 from N.E. Ohio,
    Mark WG8Y

From: Artekmedia <nr1dx@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 29, 2011 7:12 PM
Subject: [ham-antennas] Help with Butternut HF6V

I drug an old butternut vertical that I had in storage out this weekend and put it up so I could get back on the air this winter after an 8 year sabbatical (working my @$$ off sabbatical?) any way everything is up and working reasonably well on most bands the 30 meter resonator had a damaged cap which I will need to replace but beyond that the SWR is below 2:1 on all bands

I have one small problem left..... the base matching coil that goes across the input to ground is MIA. Not hard to make one but I need to know the number of turns and the diameter of the coil. Could someone out there with a B-nut go out and count the number of turns and measure the diameter of their coil

Tnxs
Dave
NR1DX

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20352. Re: [ham-antennas] Help with Butternut HF6V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 02:18:51 UTC
From: Artekmedia
Topic: 20350 Message: 20352

Mark

Thanks that will get me in the ball park , as I recall it is not
critical ..

The beast is working I worked 3XY1D on 20M and 80M running barefoot
tonight hard to beat that :-)

Cheers
Dave
NR1DX

On 10/29/2011 6:50 PM, Mark Kelner wrote:
>
> Â Â Hi Dave,
> Â Â Â I ran out to my ant. barn and did a count on one ofÂ mine.Looks
> like 17 or 18 turns. I'ts been around for awhile so
> Â a little streched out. It's app. 1 & 1/2 inch in dia.
> Â Â Hope this gets you in the ball park.
> Â Â 73 from N.E. Ohio,
> Â Â Â Mark WG8Y
> Â
>
> _____
> From: Artekmedia <nr1dx@... <mailto:nr1dx%40arrl.net>>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Saturday, October 29, 2011 7:12 PM
> Subject: [ham-antennas] Help with Butternut HF6V
>
> Â
> I drug an old butternut vertical that I had in storage out this weekend
> and put it up so I could get back on the air this winter after an 8 year
> sabbatical (working my @$$ off sabbatical?) any way everything is up
> and working reasonably well on most bands the 30 meter resonator had a
> damaged cap which I will need to replace but beyond that the SWR is
> below 2:1 on all bands
>
> I have one small problem left..... the base matching coil that goes
> across the input to ground is MIA. Not hard to make one but I need to
> know the number of turns and the diameter of the coil. Could someone out
> there with a B-nut go out and count the number of turns and measure the
> diameter of their coil
>
> Tnxs
> Dave
> NR1DX

>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20353. Re: [ham-antennas] Help with Butternut HF6V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 04:15:23 UTC
From: OllySteed@aol.com
Topic: 20350 Message: 20353

Dave,
I looked at the pdf manual on their site and saw no coil for matching.
I did see where they asked for 2 chokes about 8 feet apart
I only have the 4BTV and I sent for the direct coax feed bracket.
I'm antenna restricted so I take it down in 2 sections and then clamp it to
a pipe next to the lake.
I never use any radials and all 4 bands are below 1.5 or better.
BOB
AF2Q

In a message dated 10/29/2011 7:19:23 P.M. Pacific Daylight Time,
nr1dx@... writes:

> I have one small problem left..... the base matching coil that goes
> across the input to ground is MIA. Not hard to make one but I need to
> know the number of turns and the diameter of the coil. Could someone out
> there with a B-nut go out and count the number of turns and measure the
> diameter of their coil
>
> Tnxs
> Dave
> NR1DX

[Non-text portions of this message have been removed]

20354. Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 05:54:30 UTC
From: Mike Rodgers
Topic: 20354 Message: 20354

Anyone have a source for fishing rod blanks in the USA ?

Thanks
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

20355. Re: [ham-antennas] Help with Butternut HF6V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 12:07:59 UTC
From: Artekmedia
Topic: 20350 Message: 20355

Bob

Not sure what you were looking at but that was the other thing I couldn't find after 8 years was the manual . so I downloaded a copy of the manual from the Butternut Web site and the coil is shown in the parts list," ITEM Q, Base Matching Coil" ., of course no indication of the size or number of turns,.....Mark W8GY put me in the ball park at 18 turns 1.5" diameter. I don't think it is critical as I recall you could mangle the thing and the SWR did not change much

Dave
NR1DX

Back on the air after 8 years off

On 10/29/2011 11:15 PM, OllySteed@... wrote:
>
>
> Dave,
> I looked at the pdf manual on their site and saw no coil for matching.
> I did see where they asked for 2 chokes about 8 feet apart
> I only have the 4BTV and I sent for the direct coax feed bracket.
> I'm antenna restricted so I take it down in 2 sections and then clamp
> it to
> a pipe next to the lake.
> I never use any radials and all 4 bands are below 1.5 or better.
> BOB
> AF2Q
>
>
> In a message dated 10/29/2011 7:19:23 P.M. Pacific Daylight Time,
> nr1dx@... <mailto:nr1dx%40arrl.net> writes:
>
> > I have one small problem left..... the base matching coil that goes
> > across the input to ground is MIA. Not hard to make one but I need to
> > know the number of turns and the diameter of the coil. Could someone out
> > there with a B-nut go out and count the number of turns and measure the
> > diameter of their coil
> >
> > Tnxs
> > Dave
> > NR1DX
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20356. Re: [ham-antennas] Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 12:09:05 UTC
From: Memwl
Topic: 20354 Message: 20356

Meaning Fiberglass poles? If that is what you mean I would be curious to know also when you find out
Please post, Thanks
73
ke7sbe

>_____
>From: Mike Rodgers <mikerodgerske5gbc@...>
>To: HamAntennas <ham-antennas@yahoogroups.com>
>Sent: Saturday, October 29, 2011 10:54 PM
>Subject: [ham-antennas] Fish rod blanks
>
>
>
>Anyone have a source for fishing rod blanks in the USA ?
>
>Thanks
>Mike R
>
>Sent from my spy ring
>
>Amateur/Ham Radio KE5GBC
>HF & Echolink
>
>
>
>

[Non-text portions of this message have been removed]

20357. RE: [ham-antennas] Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 12:22:16 UTC
From: jo barden
Topic: 20354 Message: 20357

I got mine from ebay, lots on there mine is a Lineaeffe one and so far it has had a year outside no problems. Just put fishing pole in search and away you gou.

Jon

G6UWK
To: ham-antennas@yahoogroups.com
From: modkulla@yahoo.com
Date: Sun, 30 Oct 2011 05:09:05 -0700
Subject: Re: [ham-antennas] Fish rod blanks

Meaning Fiberglass poles? If that is what you mean I would be curious to know also

when you find out

Please post, Thanks

73

ke7sbe

>_____

>From: Mike Rodgers <mikerodgerske5gbc@...>

>To: HamAntennas <ham-antennas@yahoogroups.com>

>Sent: Saturday, October 29, 2011 10:54 PM

>Subject: [ham-antennas] Fish rod blanks

>

>

>

>Anyone have a source for fishing rod blanks in the USA ?

>

>Thanks

>Mike R

>

>Sent from my spy ring

>

>Amateur/Ham Radio KE5GBC

>HF & Echolink

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20358. Re: [ham-antennas] Help with Butternut HF6V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 12:36:07 UTC
From: Ron Youvan
Topic: 20350 Message: 20358

Dave NR1DX Artekmedia wrote:

> Not sure what you were looking at but that was the other thing I
> couldn't find after 8 years was the manual . so I downloaded a copy of
> the manual from the Butternut Web site and the coil is shown in the
> parts list," ITEM Q, Base Matching Coil" ., of course no indication of
> the size or number of turns,.....Mark W8GY put me in the ball park at
> 18 turns 1.5" diameter. I don't think it is critical as I recall you
> could mangle the thing and the SWR did not change much

I have a used butternut vertical (not on the air yet as it it in bad condx) and I think the coil
is not for matching, I think it is a static drain choke. The coaxial stub is for matching.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20359. Re: [ham-antennas] Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 12:39:16 UTC
From: Memwl
Topic: 20354 Message: 20359

Good Ol Flea Bay, going there now
Thanks

k37sbe

>_____
>From: jo barden <jobarden422@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, October 30, 2011 5:22 AM
>Subject: RE: [ham-antennas] Fish rod blanks
>
>
>I got mine from ebay, lots on there mine is a Lineaeffe one and so far it has had a year outside no problems. Just put fishing pole in search and away you gou.
>
>Jon
>
>G6UWK
>To: ham-antennas@yahoogroups.com
>From: modkulla@...
>Date: Sun, 30 Oct 2011 05:09:05 -0700
>Subject: Re: [ham-antennas] Fish rod blanks
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>   Meaning Fiberglass poles? If that is what you mean I would be curious to know also
>
>when you find out
>
>Please post, Thanks
>
>73
>
>ke7sbe
>
>
>
>>_________________________________
>
>>From: Mike Rodgers <mikerodgerske5gbc@...>
>
>>To: HamAntennas <ham-antennas@yahoogroups.com>
>
>>Sent: Saturday, October 29, 2011 10:54 PM
>
>>Subject: [ham-antennas] Fish rod blanks
>
>>
>
>>
>
>>
>
>>
>
>>Anyone have a source for fishing rod blanks in the USA ?
>
>>
>
>>Thanks
>
>>Mike R
>
>>
>
>>Sent from my spy ring
>
>>
>
>>Amateur/Ham Radio KE5GBC
>
>>HF & Echolink

>
>>
>
>>
>
>>
>
>>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>

>

[Non-text portions of this message have been removed]

20360. Re: [ham-antennas] Help with Butternut HF6V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 13:13:56 UTC
From: Artekmedia
Topic: 20350 Message: 20360

Ron

As I vaguely recall it offsets some of the reactance of the 75 ohm coax section (on some of the other bands besides 20) On 20M it is essentailly a 1/4 wave section ...AND ... it is listed in the parts list as a "BASE MATCHING COIL" ...????

I'll let you know the actual results when I get it would and installed .....

Let me know If I can help you with your B-nut ... I have a few parts from a scavenged HF6V sitting here as well at one time I was going to put up a pair of them to feed in phased array fashion ... I think I have had my original HF6V almost 30 years now :-)

Dave
NR1DX

On 10/30/2011 7:36 AM, Ron Youvan wrote:
>
> Dave NR1DX Artekmedia wrote:
>
> > Not sure what you were looking at but that was the other thing I
> > couldn't find after 8 years was the manual . so I downloaded a copy of
> > the manual from the Butternut Web site and the coil is shown in the
> > parts list," ITEM Q, Base Matching Coil" ., of course no indication of
> > the size or number of turns,......Mark W8GY put me in the ball park at
> > 18 turns 1.5" diameter. I don't think it is critical as I recall you
> > could mangle the thing and the SWR did not change much
>
> I have a used butternut vertical (not on the air yet as it it in bad
> condx) and I think the coil
> is not for matching, I think it is a static drain choke. The coaxial
> stub is for matching.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20361. Re: [ham-antennas] Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 13:26:25 UTC
From: Artekmedia
Topic: 20354 Message: 20361

DXEngineering.com (Also in QST) has telescoping fiberglass tubes from 1/2" to 2" ...not exactly fishing pole but useful. Pricing is close to reasonable

Standard no affiliation announcement ...just a satisfied customer

Dave
NR1DX

On 10/30/2011 7:22 AM, jo barden wrote:
> I got mine from ebay, lots on there mine is a Lineaeffe one and so far it has had a year outside no problems. Just put fishing pole in search and away you gou.
>
> Jon
>
> G6UWK
> To: ham-antennas@yahoogroups.com
> From: modkulla@...
> Date: Sun, 30 Oct 2011 05:09:05 -0700
> Subject: Re: [ham-antennas] Fish rod blanks
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
> Meaning Fiberglass poles? If that is what you mean I would be curious to know also
>
> when you find out
>
> Please post, Thanks
>
> 73
>
> ke7sbe
>
>
>
>> _________________________________
>> From: Mike Rodgers<mikerodgerske5gbc@...>
>> To: HamAntennas<ham-antennas@yahoogroups.com>
>> Sent: Saturday, October 29, 2011 10:54 PM
>> Subject: [ham-antennas] Fish rod blanks
>>
>> Anyone have a source for fishing rod blanks in the USA ?
>> Thanks
>> Mike R
>> Sent from my spy ring
>> Amateur/Ham Radio KE5GBC
>> HF& Echolink
>
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>

>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

20362. Re: [ham-antennas] Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 13:37:41 UTC
From: Dave Hunter
Topic: 20354 Message: 20362

Also eBay Fibreglass pole...

We used to make quads from fibreglass poles picked up for
nothing at a local carpet dealer - they came in the middle
of carpet rolls...

Dave

Amateur Radio Station VY2AC on Prince Edward Island
Website: http://www.qsl.net/vy2ac
E-mail: vy2ac@...

20363. Re: [ham-antennas] Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 13:39:31 UTC
From: Dave Hunter
Topic: 20354 Message: 20363

Should have said fibreglass and bamboo. Both worked well.
In fact 20 years later, I still have some left.

Dave

On 30 Oct 2011 at 10:37, Dave Hunter wrote:

> Also eBay Fibreglass pole...
>
> We used to make quads from fibreglass poles picked up for
> nothing at a local carpet dealer - they came in the middle
> of carpet rolls...
>
> Dave
>
> Amateur Radio Station VY2AC on Prince Edward Island
> Website: http://www.qsl.net/vy2ac
> E-mail: vy2ac@...
>
>

Amateur Radio Station VY2AC on Prince Edward Island
Website: http://www.qsl.net/vy2ac
E-mail: vy2ac@...

20364. Re: [ham-antennas] Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 14:11:05 UTC
From: Benjamin Straw - KC9UNS
Topic: 20354 Message: 20364

I use 8ft line man poles for my setup. line man poles are used by the phone company to push the lines upto the poles. Each are 1 inch Fiberglass tubes with aluminum ends to connect them.

Sent from my iPhone

On Oct 30, 2011, at 8:39 AM, "Dave Hunter" <dhunter@...> wrote:

> Should have said fibreglass and bamboo. Both worked well.
> In fact 20 years later, I still have some left.
>
> Dave
>
> On 30 Oct 2011 at 10:37, Dave Hunter wrote:
>
> > Also eBay Fibreglass pole...
> >
> > We used to make quads from fibreglass poles picked up for
> > nothing at a local carpet dealer - they came in the middle
> > of carpet rolls...
> >
> > Dave
> >
> > Amateur Radio Station VY2AC on Prince Edward Island
> > Website: http://www.qsl.net/vy2ac
> > E-mail: vy2ac@...
> >
> >
>
> Amateur Radio Station VY2AC on Prince Edward Island
> Website: http://www.qsl.net/vy2ac
> E-mail: vy2ac@...
>
>

[Non-text portions of this message have been removed]

20365. Re: Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 15:46:03 UTC
From: Chris Baker
Topic: 20354 Message: 20365

e bay, fishing shops (more expensive tho')

Thanks

Chris Baker B.A.

Sunny Morecambe, the gateway to the Lakes
ARS: G4LDS
WAB:SD 46
LOC: IO84 NB
G-QRP: 6884
IOTA: EU005
The SANDS Contest group : G1T
G4LDS@M0SCG.org.uk

[Non-text portions of this message have been removed]

20366. Re: [ham-antennas] Re: Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 15:52:54 UTC
From: Memwl
Topic: 20354 Message: 20366

I found the Jacktight website, They have quite a selection
I got that lead from Ebay
Thanks

ke7sbe
Michael

>_____
>From: Chris Baker <honywood@...>
>To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
>Sent: Sunday, October 30, 2011 8:46 AM
>Subject: [ham-antennas] Re: Fish rod blanks
>
>
>
>e bay, fishing shops (more expensive tho')
>
>
>Thanks
>
>Chris Baker B.A.
>
>
>Sunny Morecambe, the gateway to the Lakes
>ARS: G4LDS
>WAB:SD 46
>LOC: IO84 NB
>G-QRP: 6884
>IOTA: EU005
>The SANDS Contest group : G1T
>G4LDS@M0SCG.org.uk
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

20367. Re: Help with Butternut HF6V

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 16:06:05 UTC
From: AB2ZY
Topic: 20350 Message: 20367

There is a Butternut Yahoo group.

All the Butternut verticals use a few uH coil at the base to increase the impedance on 80m, which will be low with a decent ground radial system owing to its short radiator length and thus low radiation resistance.

On the HF6 and HF9 there is a quarter wave (on 20m) 75 ohm matching stub which is used to tranform the 100 ohm or so feedpoint impedance on 20m down to 50 ohms. On the other bands it is relatively invisible.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Ron
>
> As I vaguely recall it offsets some of the reactance of the 75 ohm coax
> section (on some of the other bands besides 20) On 20M it is
> essentailly a 1/4 wave section ...AND ... it is listed in the parts list
> as a "BASE MATCHING COIL" ...????
>
> I'll let you know the actual results when I get it would and installed
> .....
>
> Let me know If I can help you with your B-nut ... I have a few parts
> from a scavenged HF6V sitting here as well at one time I was going to
> put up a pair of them to feed in phased array fashion ... I think I have
> had my original HF6V almost 30 years now :-)
>
>
> Dave
> NR1DX
>
> On 10/30/2011 7:36 AM, Ron Youvan wrote:
> >
> > Dave NR1DX Artekmedia wrote:
> >
> > > Not sure what you were looking at but that was the other thing I
> > > couldn't find after 8 years was the manual . so I downloaded a copy of
> > > the manual from the Butternut Web site and the coil is shown in the
> > > parts list," ITEM Q, Base Matching Coil" ., of course no indication of
> > > the size or number of turns,......Mark W8GY put me in the ball park at
> > > 18 turns 1.5" diameter. I don't think it is critical as I recall you
> > > could mangle the thing and the SWR did not change much
> >

> > I have a used butternut vertical (not on the air yet as it it in bad
> > condx) and I think the coil
> > is not for matching, I think it is a static drain choke. The coaxial
> > stub is for matching.
> > --
> > Ron KA4INM - Did you know ...
> > ... that no-one ever reads these things?
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
> [Non-text portions of this message have been removed]
>

20368. Window/door feed-thru jumper

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 16:42:59 UTC
From: kj4fgi
Topic: 20368 Message: 20368

I soldered together a Window/door feed-thru jumper with 450 ohm Ladder Line and 2 SO-239 chassis female connectors. I got the idea from the Comet CTC-50M, I put it in between my Sliding Glass Door and shut it. I built a long wire antenna and a 9:1 balun out of t130-2 toroid. I trimmed the wire for 10 meters (1 wavelength not half) The antenna is about 11 feet off the ground over Florida ground (Sand)

I'm using an Icom Ic-706MKIIG, I made contact with Belgium, Germany and Trinidad. My question is the Window/door feed-thru jumper with 450 ohm Ladder Line and 2 SO-239 chassis female connectors through the metal sliding glass doors, does that do anything to my signal? Increase impermanence?

I can't drill any more holes through the house 4 was enough, before she hits my over the head with a Rolling Pin.

Ed KJ4FGI

20369. Re: [ham-antennas] Window/door feed-thru jumper

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 16:56:44 UTC
From: Ron Youvan
Topic: 20368 Message: 20369

Ed KJ4FGI wrote:

> I soldered together a Window/door feed-thru jumper with 450 ohm Ladder Line and 2 SO-239 chassis
> female connectors. I got the idea from the Comet CTC-50M, I put it in between my Sliding Glass Door
> and shut it. I built a long wire antenna and a 9:1 balun out of t130-2 toroid. I trimmed the wire
> for 10 meters (1 wavelength not half) The antenna is about 11 feet off the ground over Florida
> ground (Sand)

> I'm using an Icom Ic-706MKIIG, I made contact with Belgium, Germany and Trinidad. My question is the
> Window/door feed-thru jumper with 450 ohm Ladder Line and 2 SO-239 chassis female connectors through
> the metal sliding glass doors, does that do anything to my signal? Increase impermanence?

> I can't drill any more holes through the house 4 was enough, before she hits my over the head with a
> Rolling Pin.

The "metal sliding glass doors" will create a serious low impedance bump in impedance in the
transmission line at the occurrence. I wouldn't worry about that, I would cover the line with at
least two layers (on each side - wrap it) with black electrical tape to prevent insulation damage
and increase the insulation thickness. Look for another, better way to get the cable out.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20370. Re: [ham-antennas] Window/door feed-thru jumper

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 16:58:59 UTC
From: WA8JXM
Topic: 20368 Message: 20370

On Oct 30, 2011, at 12:42 PM, kj4fgi wrote:

> My question is the Window/door feed-thru jumper with 450 ohm Ladder Line and 2 SO-239 chassis female connectors through the metal sliding glass doors, does that do anything to my signal? Increase impermanence?

Is the door aluminum or vinyl?

It will cause an impedance bump in the line which will have to be tuned out. Beyond that, probably not anything significant beyond possibly increased noise pickup.

If it is a metal door and you were at a high voltage node or running high power, it could possibly arc over to the metal door.

If the ladder line is solid conductor, I would also watch to make sure that the conductors do not break where they go through the door (over time).

I'm bringing in my twin lead the same way, but through a vinyl window (but I'm not using coax, the twin lead goes all the way to the dipole.)

Ken

20371. Snow's Effect on Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 17:58:38 UTC
From: studentofradio
Topic: 20371 Message: 20371

I have a G5RV Jr that is resting on the top ridge of my house for now. It's in a perfectly straight line with the roof shingles directly beneath and in contact with the antenna wire. Some day I'll figure out a way to string it up higher, but it's been working fine while I learn the basics of ham radio - I've reached as far as Russia with my Yaesu FT-897 putting out 100 watts (not sure how much goes out the antenna.)

It snowed yesterday here in New Jersey - we got about 4 inches of the stuff. When I tried to use the radio on 10 and 20 meters, which has an LDG AT-897 Plus antenna tuner attached, it took the tuner alot of time to tune - much more than the usual couple of seconds. Does the snow have anything to do with the long tuning time (10-20 seconds)?

Thanks, Dave WG2R

20372. AW: [ham-antennas] Snow's Effect on Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 18:04:29 UTC
From: Siegfried Jackstien
Topic: 20371 Message: 20372

Sure
Snow and rain detunes your antenna
The closer to roof the more detuning
Some small short standoffs could be easy homebrewed ...
Best would be to short poles at both ends of the house (how long is your home?) .... maybe you coul erect a bigger version to have more bnads???
...
Basics of ham radio? So you are a newcomer? ... welcome abord :-)
Greetz
Sigi
Dg9bfc
Ps ladderline direct to tuner ... ad 1:4 balun there ... go multiband with lower loss

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von studentofradio
> Gesendet: Sonntag, 30. Oktober 2011 17:59
> An: ham-antennas@...m
> Betreff: [ham-antennas] Snow's Effect on Antennas
>
>
>
> I have a G5RV Jr that is resting on the top ridge of my house for now.
> It's in a perfectly straight line with the roof shingles directly beneath
> and in contact with the antenna wire. Some day I'll figure out a way to
> string it up higher, but it's been working fine while I learn the basics
> of ham radio - I've reached as far as Russia with my Yaesu FT-897 putting
> out 100 watts (not sure how much goes out the antenna.)
>
> It snowed yesterday here in New Jersey - we got about 4 inches of the
> stuff. When I tried to use the radio on 10 and 20 meters, which has an LDG
> AT-897 Plus antenna tuner attached, it took the tuner alot of time to tune
> - much more than the usual couple of seconds. Does the snow have anything
> to do with the long tuning time (10-20 seconds)?
>
> Thanks, Dave WG2R
>
>
>
>

20373. Re: AW: [ham-antennas] Snow's Effect on Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-30 23:12:08 UTC
From: Dave Oldridge
Topic: 20371 Message: 20373

On 30/10/2011 11:04 AM, Siegfried Jackstien wrote:
> Sure
> Snow and rain detunes your antenna
Yep. They sure do. In a Nova Scotia ice storm an 11 element 2 meter beam typically turns into an off-resonant driven element between a bunch of reflectors. Basically, snow and ice lower the resonant frequency.

--
Dave Oldridge
Skype: daveoldridge
Ham Radio: VA7CZ

20374. Re: Snow's Effect on Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 00:25:30 UTC
From: studentofradio
Topic: 20371 Message: 20374

Thanks Siegfried and Dave for the help. Siegfried - right now I'm getting away with just letting the antenna wire lie on the roof's peak, but I like your idea of some short standoffs. The house is about 60 feet long, hence my choice and purchase of the G5RV Jr, which is about 53 feet. Eventually I'll get a power meter and know better.

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...>
wrote:
>
> Sure
> Snow and rain detunes your antenna
> The closer to roof the more detuning
> Some small short standoffs could be easy homebrewed ...
> Best would be to short poles at both ends of the house (how long is your
> home?) .... maybe you coul erect a bigger version to have more bnads???
> ...
> Basics of ham radio? So you are a newcomer? ... welcome abord :-)
> Greetz
> Sigi
> Dg9bfc
> Ps ladderline direct to tuner ... ad 1:4 balun there ... go multiband with
> lower loss

20375. Re: AW: [ham-antennas] Snow's Effect on Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 01:22:12 UTC
From: John P.
Topic: 20371 Message: 20375

Interesting.....

Just this past week I raised my 20M dipole to 25 feet. Construction is of 14 gauge stranded wire that is insulated. Center and end insulators are small lengths of 3/4 PVC.

SWR at 14.250 MHz is about 1.25:1. HOWEVER, this saturday night here in Maine we had a snow storm (wet snow). I saw my SWR creep up to 2.4:1 during the storm. By today it was back to 1.25:1 as expected.

My theories are one or more of the following.....

End insulators are too short (about 2 1/2 inches) and were bridged somewhat by the wet snow.
Wet snow on the antenna detuned it.
Wet coax connections - not likely since all was checked and wrapped 4 days ago.

John - WA2HIP
http://wa2hip.com

--- On Sun, 10/30/11, Dave Oldridge <doldridg@...> wrote:

From: Dave Oldridge <doldridg@...>
Subject: Re: AW: [ham-antennas] Snow's Effect on Antennas
To: ham-antennas@yahoogroups.com
Date: Sunday, October 30, 2011, 7:12 PM

On 30/10/2011 11:04 AM, Siegfried Jackstien wrote:

> Sure

> Snow and rain detunes your antenna

Yep. They sure do. In a Nova Scotia ice storm an 11 element 2 meter

beam typically turns into an off-resonant driven element between a bunch

of reflectors. Basically, snow and ice lower the resonant frequency.

--

Dave Oldridge

Skype: daveoldridge

Ham Radio: VA7CZ

[Non-text portions of this message have been removed]

20376. Re: AW: [ham-antennas] Snow's Effect on Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 11:19:19 UTC
From: Frank Kirschner
Topic: 20371 Message: 20376

Your first two hypotheses are probably correct. Also, the center insulator can be bridged by ice, which will affect the impedance. I have an MFJ 102-ft doublet, and the impedance changed when it rains. I may need to cover the center insulator to keep it drier.

73,
Frank
KF6E

On Sun, Oct 30, 2011 at 9:22 PM, John P. <jpetrocxme@...> wrote:

> **
>
>
> Interesting.....
>
> Just this past week I raised my 20M dipole to 25 feet. Construction is of
> 14 gauge stranded wire that is insulated. Center and end insulators are
> small lengths of 3/4 PVC.
>
> SWR at 14.250 MHz is about 1.25:1. HOWEVER, this saturday night here in
> Maine we had a snow storm (wet snow). I saw my SWR creep up to 2.4:1
> during the storm. By today it was back to 1.25:1 as expected.
>
> My theories are one or more of the following.....
>
> End insulators are too short (about 2 1/2 inches) and were bridged
> somewhat by the wet snow.
> Wet snow on the antenna detuned it.
> Wet coax connections - not likely since all was checked and wrapped 4
> days ago.
>
> John - WA2HIP
> http://wa2hip.com
>
>

[Non-text portions of this message have been removed]

20377. Re: AW: [ham-antennas] Snow's Effect on Antennas AND WINDOW FEED LINES

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 11:33:46 UTC
From: Artekmedia
Topic: 20371 Message: 20377

Frank

If you are talking the MFJ1777 all band doublet the problem is not the center insulator but likely the 450 ohm ladder / window feed line itself. The problem with the plastic window lines is that water (or snow & ice) on the surface of the line changes the dielectric constant of the line slightly which in turns changes the characteristic impeadance of the line which in turns changes the match to the antenna. If you using a tuner then you have to retune. The problem gets worse as the line gets older, tiny cracks and dirt on the line trap more water. Water tends to bead up and be less of a problem when the line is new. I tried making phasing stubs using the stuff and it was great as long as the wx was dry ..but the first sign of rain and the stubs detuned (lower in freq) . In my case I went to true open wire line and it solved the moisture sensitivity. I have often wondered if you wiped the window line periodically with something like Amour-All if that would reduce the moisture accumulation (facilitate water beading)

Dave
NR1DX

On 10/31/2011 6:19 AM, Frank Kirschner wrote:
>
> Your first two hypotheses are probably correct. Also, the center insulator
> can be bridged by ice, which will affect the impedance. I have an MFJ
> 102-ft doublet, and the impedance changed when it rains. I may need to
> cover the center insulator to keep it drier.
>
> 73,
> Frank
> KF6E
>
> On Sun, Oct 30, 2011 at 9:22 PM, John P. <jpetrocxme@...
> <mailto:jpetrocxme%40yahoo.com>> wrote:
>
> > **
> > >
> > >
> > > Interesting.....................
> > >
> > > Just this past week I raised my 20M dipole to 25 feet. Construction
> is of
> > > 14 gauge stranded wire that is insulated. Center and end insulators are
> > > small lengths of 3/4 PVC.

> >
> > SWR at 14.250 MHz is about 1.25:1. HOWEVER, this saturday night here in
> > Maine we had a snow storm (wet snow). I saw my SWR creep up to 2.4:1
> > during the storm. By today it was back to 1.25:1 as expected.
> >
> > My theories are one or more of the following.......
> >
> > End insulators are too short (about 2 1/2 inches) and were bridged
> > somewhat by the wet snow.
> > Wet snow on the antenna detuned it.
> > Wet coax connections - not likely since all was checked and wrapped 4
> > days ago.
> >
> > John - WA2HIP
> > http://wa2hip.com
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20378. Re: AW: [ham-antennas] Snow's Effect on Antennas AND WINDOW FEED LINES

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 11:51:37 UTC
From: Frank Kirschner
Topic: 20371 Message: 20378

Dave,

You're right; good observation. I didn't even think about the ladder line. Two square inches of center insulation is negligible compared with 60 feet of ladder line. I like your idea of Armor-All. I'll try that next time I lower the antenna.

Frank

On Mon, Oct 31, 2011 at 7:33 AM, Artekmedia <nr1dx@...> wrote:

> **
>
>
> Frank
>
> If you are talking the MFJ1777 all band doublet the problem is not the
> center insulator but likely the 450 ohm ladder / window feed line
> itself. The problem with the plastic window lines is that water (or
> snow & ice) on the surface of the line changes the dielectric constant
> of the line slightly which in turns changes the characteristic
> impeadance of the line which in turns changes the match to the antenna.
> If you using a tuner then you have to retune. The problem gets worse as
> the line gets older, tiny cracks and dirt on the line trap more water.
> Water tends to bead up and be less of a problem when the line is new. I
> tried making phasing stubs using the stuff and it was great as long as
> the wx was dry ..but the first sign of rain and the stubs detuned (
> lower in freq) . In my case I went to true open wire line and it solved
> the moisture sensitivity. I have often wondered if you wiped the window
> line periodically with something like Amour-All if that would reduce the
> moisture accumulation (facilitate water beading)
>
> Dave
> NR1DX
>

[Non-text portions of this message have been removed]

20379. Re: AW: [ham-antennas] Snow's Effect on Antennas AND WINDOW FEED LINES

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 11:54:00 UTC
From: WA8JXM
Topic: 20371 Message: 20379

On Oct 31, 2011, at 7:33 AM, Artekmedia wrote:

> The problem with the plastic window lines is that water (or
> snow & ice) on the surface of the line changes the dielectric constant
> of the line slightly which in turns changes the characteristic
> impeadance of the line which in turns changes the match to the antenna.

Ah ha! I knew there was some reason I preferred real open wire vs. ladder line!

The universal acceptance of ladder line was beginning to make me think that it was just as good as the real stuff ;-)

Ken

20380. Re: AW: [ham-antennas] Snow's Effect on Antennas AND WINDOW FEED LINES

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 12:54:26 UTC
From: Artekmedia
Topic: 20371 Message: 20380

Nothing inherently wrong with Window line if you are using it as a feed
line with a tuner , you just have to remeber that you may have to retune
when it rains. If you are trying to use the stuff as an impedance
matching stub in a non tunable system however different story. Window
line is physically better behaved than open wire line in most applications

Dave
NR1DX

On 10/31/2011 6:54 AM, WA8JXM wrote:
>
>
> On Oct 31, 2011, at 7:33 AM, Artekmedia wrote:
>
> > The problem with the plastic window lines is that water (or
> > snow & ice) on the surface of the line changes the dielectric constant
> > of the line slightly which in turns changes the characteristic
> > impeadance of the line which in turns changes the match to the antenna.
>
> Ah ha! I knew there was some reason I preferred real open wire vs.
> ladder line!
>
> The universal acceptance of ladder line was beginning to make me think
> that it was just as good as the real stuff ;-)
>
> Ken
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20381. Folded Dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 14:21:25 UTC
From: http://vu2sgw.blogspot.com
Topic: 20381 Message: 20381

Dear Friends,

I am having FR1003 Series 70 Fritzel 1:4 balun, which is normally used in making folded dipole. I would like to have 10M folded dipole and use it in my balcony.

Can someone help me out with exact calculation.

73,
Sai, VU2SGW

20382. Folded Dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 14:23:44 UTC
From: http://vu2sgw.blogspot.com
Topic: 20381 Message: 20382

Dear Friends,

I am having FR1003 Series 70 Fritzel 1:4 balun, which is normally used in making folded dipole. I would like to have 10M folded dipole and use it in my balcony.

Can someone help me out with exact calculation.

73,
Sai, VU2SGW

20383. RE: [ham-antennas] Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 17:18:32 UTC
From: jim burns
Topic: 20354 Message: 20383

Check out Tractor Supply. I bought electric fence poles which are gray fiberglass rods about 3' long and approx. 3/8" diameter and they were very reasonable at a little over $1.00 each.

Also, Farm Tek has different sizes of similar poles in their catalog.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Memwl
Sent: Sunday, October 30, 2011 8:09 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Fish rod blanks

Meaning Fiberglass poles? If that is what you mean I would be curious to know also
when you find out
Please post, Thanks
73
ke7sbe

>_____
>From: Mike Rodgers <mikerodgerske5gbc@...
<mailto:mikerodgerske5gbc%40yahoo.com> >
>To: HamAntennas <ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> >
>Sent: Saturday, October 29, 2011 10:54 PM
>Subject: [ham-antennas] Fish rod blanks
>
>
>
>Anyone have a source for fishing rod blanks in the USA ?
>
>Thanks
>Mike R
>
>Sent from my spy ring
>
>Amateur/Ham Radio KE5GBC
>HF & Echolink
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20384. AW: AW: [ham-antennas] Snow's Effect on Antennas AND WINDOW FEED LINES

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 19:21:02 UTC
From: Siegfried Jackstien
Topic: 20371 Message: 20384

A friend from me just cut the slots bigger in the ladderline ... more air > less plastic > less water close to wires > less detuning
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Artekmedia
> Gesendet: Montag, 31. Oktober 2011 11:34
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Snow's Effect on Antennas AND WINDOW FEED
> LINES
>
>
>
> Frank
>
> If you are talking the MFJ1777 all band doublet the problem is not the
> center insulator but likely the 450 ohm ladder / window feed line
> itself. The problem with the plastic window lines is that water (or
> snow & ice) on the surface of the line changes the dielectric constant
> of the line slightly which in turns changes the characteristic
> impeadance of the line which in turns changes the match to the antenna.
> If you using a tuner then you have to retune. The problem gets worse as
> the line gets older, tiny cracks and dirt on the line trap more water.
> Water tends to bead up and be less of a problem when the line is new. I
> tried making phasing stubs using the stuff and it was great as long as
> the wx was dry ..but the first sign of rain and the stubs detuned (
> lower in freq) . In my case I went to true open wire line and it solved
> the moisture sensitivity. I have often wondered if you wiped the window
> line periodically with something like Amour-All if that would reduce the
> moisture accumulation (facilitate water beading)
>
> Dave
> NR1DX
>
> On 10/31/2011 6:19 AM, Frank Kirschner wrote:
> >
> > Your first two hypotheses are probably correct. Also, the center
> insulator
> > can be bridged by ice, which will affect the impedance. I have an MFJ
> > 102-ft doublet, and the impedance changed when it rains. I may need to
> > cover the center insulator to keep it drier.
> >

> > 73,
> > Frank
> > KF6E
> >
> > On Sun, Oct 30, 2011 at 9:22 PM, John P. <jpetrocxme@...
> <mailto:jpetrocxme%40yahoo.com>
> > <mailto:jpetrocxme%40yahoo.com>> wrote:
> >
> > > **
> > >
> > >
> > > Interesting.....
> > >
> > > Just this past week I raised my 20M dipole to 25 feet. Construction
> > is of
> > > 14 gauge stranded wire that is insulated. Center and end insulators
> are
> > > small lengths of 3/4 PVC.
> > >
> > > SWR at 14.250 MHz is about 1.25:1. HOWEVER, this saturday night here
> in
> > > Maine we had a snow storm (wet snow). I saw my SWR creep up to 2.4:1
> > > during the storm. By today it was back to 1.25:1 as expected.
> > >
> > > My theories are one or more of the following.....
> > >
> > > End insulators are too short (about 2 1/2 inches) and were bridged
> > > somewhat by the wet snow.
> > > Wet snow on the antenna detuned it.
> > > Wet coax connections - not likely since all was checked and wrapped 4
> > > days ago.
> > >
> > > John - WA2HIP
> > > http://wa2hip.com
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>

>
>
>

20385. Re: AW: [ham-antennas] Snow's Effect on Antennas AND WINDOW FEED LIN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 20:32:17 UTC
From: Mike Rodgers
Topic: 20385 Message: 20385

I have heard that 600 ohm is more resistant to detuning. Any truth to that?
Any other advantage of 600 besides slightly lower loss?
I'd like to possibly change my 300 to 450 or 600.

Thanks
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

20386. Re: AW: [ham-antennas] Snow's Effect on Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 22:29:03 UTC
From: Ron Youvan
Topic: 20371 Message: 20386

Frank KF6E Kirschner wrote:

> Your first two hypotheses are probably correct. Also, the center insulator
> can be bridged by ice, which will affect the impedance. I have an MFJ
> 102-ft doublet, and the impedance changed when it rains. I may need to
> cover the center insulator to keep it drier.

I would think the end insulators would be much more sensitive to moisture than the center insulator because of the impedance present.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20387. Re: [ham-antennas] Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 22:59:59 UTC
From: Sander Pool
Topic: 20354 Message: 20387

I just used a Cabella's Crappie Pole to suspend my flex j-pole about 15ft high. These are pretty cheap. Of course there are lots of different fishing rod blanks so perhaps if the OP gives a bit more detail on what the required specs are someone can may know a source. The light hollow pole I used is quite different from a solid rod. Both useful but not for the same thing :)

Sander W1SOP

jim burns wrote:
>
>
> Check out Tractor Supply. I bought electric fence poles which are gray
> fiberglass rods about 3' long and approx. 3/8" diameter and they were very
> reasonable at a little over $1.00 each.
>
> Also, Farm Tek has different sizes of similar poles in their catalog.
>
> Jim, WB4ILP
>
>
>

20388. Re: AW: [ham-antennas] Snow's Effect on Antennas AND WINDOW FEED LIN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-31 23:46:35 UTC
From: Artekmedia
Topic: 20385 Message: 20388

IF you are talking true open wire line in each case then the loss differences at HF are not enough to talk about

300 ohm tv ribbon line has about .5dB /100 ft loss on 10merters and less as you go down in freq
450 Ohm Window line has about .15db/100ft on 10M
600 Ohm open wire line about .1db/100ft on 10M

Source : Arrl Antenna Handbook

so you can see maybe on a 200 ft run the you gain about 1dB from 300 ohm TV ribbon to 600 ohm open line(can you hear the difference?) and certainly purely based on loss not enough difference between 450 ohm window line and 600 ohm open wire to talk about

Tuning stability is another matter

Dave
NR1DX

On 10/31/2011 3:32 PM, Mike Rodgers wrote:
>
> I have heard that 600 ohm is more resistant to detuning. Any truth to
> that?
> Any other advantage of 600 besides slightly lower loss?
> I'd like to possibly change my 300 to 450 or 600.
>
> Thanks
> Mike R
>
> Sent from my spy ring
>
> Amateur/Ham Radio KE5GBC
> HF & Echolink
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20389. Re: AW: [ham-antennas] Snow's Effect on Antennas AND WINDOW FEED LIN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-01 01:11:13 UTC
From: Ron Youvan
Topic: 20385 Message: 20389

Mike Rodgers wrote:

> I have heard that 600 ohm is more resistant to detuning. Any truth to that?
> Any other advantage of 600 besides slightly lower loss?
> I'd like to possibly change my 300 to 450 or 600.

The higher impedance the transmission line, the higher the Voltage and the lower the current, the
lower the loss which is from I X R loss (from lower current) in the wire and the more it is effected
by nearby objects and the more tolerant the antenna system will be to "off frequency" operation.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20390. Re: [ham-antennas] Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-20 19:03:34 UTC
From: Larry Tooley
Topic: 20190 Message: 20390

Yes. The only trouble is the end feed will be a high inpedance not matching
the 50 ohm coax feedline.
Will have to have use a match box or tapped coil arangement. I think the
tap goes to 50 ohm coax center conductor and the end goes to the antenna.
The other end of the coil is the common ground.

Larry
WA9G
----- Original Message -----
From: "Robert Moss" <W1RAM@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, October 20, 2011 11:04 AM
Subject: [ham-antennas] Feeding a Half-Wave End Fed Antenna

> But what if the end fed antenna is a HALF wavelength long or a
> multiple thereof? Can't you do away with the elaborate radial/
> counterpoise system and simply run the braid side of the coax to an
> earth ground? There are some very successful commercial end fed half
> wave antennas that require only the most basic ground connection.
>
> Thanks,
>
> Bob W1RAM
>
>
>
> On Oct 20, 2011, at 10:18 AM, Chris Baker wrote:
>
>> Basically the end fed & unun requires a earth to work against, thats
>> why most layouts you see are as a sloper because the un un is
>> connected to earth stakes or radials.
>>
>> You can normally place the unun anywhere is best for you as long as
>> the radials/counterpoise is connected and you don't double back the
>> radiator too much on itself.
>> Try inv L , slopers or even a U or V or unpside down U/CV fed in one
>> corner with the centre up as high as possible.
>> the main thing with any aerial is to try to make sure as much as
>> possible is as high & in the clear.
>>
>>
>> Thanks
>>
>> Chris Baker B.A.
>>

>>
>> Sunny Morecambe, the gateway to the Lakes
>> ARS: G4LDS
>> WAB:SD 46
>> LOC: IO84 NB
>> G-QRP: 6884
>> IOTA: EU005
>> The SANDS Contest group : G1T
>> G4LDS@...
>>
>> [Non-text portions of this message have been removed]
>>
>>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

20391. Re: AW: [ham-antennas] Snow's Effect on Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-01 11:39:15 UTC
From: Frank Kirschner
Topic: 20371 Message: 20391

That would be true for a resonant, half-wave dipole, but I'm not sure it holds for a non-resonant doublet like mine. The impedance at the feed point varies considerably with frequency, and is the hardest to tune on 15 meters. It is quite high on that band. And 15 is the band on which I notice the most difference when it rains. On 20 meters, for which the 102-ft length is selected, rain has no effect.

So I'm guessing the effect you mention applies at 20 meters, not so much at 15, and somewhere in between on other bands.

73,
Frank
KF6E

On Mon, Oct 31, 2011 at 6:29 PM, Ron Youvan <ka4inm@...> wrote:

> **
>
>
> Frank KF6E Kirschner wrote:
>
> > Your first two hypotheses are probably correct. Also, the center
> insulator
> > can be bridged by ice, which will affect the impedance. I have an MFJ
> > 102-ft doublet, and the impedance changed when it rains. I may need to
> > cover the center insulator to keep it drier.
>
> I would think the end insulators would be much more sensitive to moisture
> than the center
> insulator because of the impedance present.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
> __
>

[Non-text portions of this message have been removed]

20392. Snow's Effect on Vertical Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-01 16:13:08 UTC
From: James
Topic: 20371 Message: 20392

Hi...

Dave, WG2R, has brought up an interesting subject. I've often seen the slight changes of tuning on horizontal antennas from snow and rain... but they have been temporary effects. Most often, they are gone in a couple of hours, or at most, a day.

I have a trap vertical sitting on a 36 x 66ft radial field, and am curious as to the operation of the field when covered with snow. Most articles I've read cover "rain" operation with comments about "improved operation", but no studies that I've found, mention operations when snow covered.

First, a couple of comments:

One, there can be snow on the ground here in Southern Wisconsin four or five months of the year, ranging in depth from a couple of inches to a couple of feet. Once the "big stuff" gets here, it won't be gone till springtime. Does it help or hinder vertical antenna operations? And by how much?

Two, my impression of operating a vertical in the winter time has been outstanding. Yes, I've got a good radial field in good soil, and 99 percent of my operations are in the winter, but the ground is also frozen to a depth of three feet or so. Power output is generally in the 5w/50w, or sometimes 10w/100w, range, but my antenna is also 160ft away from station.

The snow doesn't help with the vertical's notorious "skip" zones, so I've purchased a couple of Reyco traps from Unadilla and will use those to convert parts of the vertical into an inverted "L" on 40 and 80 meters. (They do sell them separately, you just have to ask.) Hopefully, this winter I'll have a "local" qso, or two.

Aside from my "story", I don't know how snow or frozen ground effects the operation of my vertical antenna, if any. No models, studies, or comments have come to my attention.

Any thoughts appreciated.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "studentofradio" <studentofradio@...> wrote:
>
> I have a G5RV Jr that is resting on the top ridge of my house for now. It's in a perfectly straight line with the roof shingles directly beneath and in contact with the antenna wire. Some day I'll figure out a way to string it up higher, but it's been working fine while I learn the basics of ham radio - I've reached as far as Russia with my Yaesu FT-897 putting out 100 watts (not sure how much goes out the antenna.)
>
> It snowed yesterday here in New Jersey - we got about 4 inches of the stuff. When I tried to use the radio on 10 and 20 meters, which has an LDG AT-897 Plus antenna tuner attached, it took the tuner alot of time to tune - much more than the usual couple of seconds. Does

the snow have anything to do with the long tuning time (10-20 seconds)?
>
> Thanks, Dave WG2R
>

20393. Re: [ham-antennas] Snow's Effect on Vertical Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-01 16:38:56 UTC
From: Mike Elcsisin
Topic: 20371 Message: 20393

We get a ton of snow here in Northern New York and it doesn't effect me whatsoever. I'm using a Hustler 6-BTV with 16 thirty-two foot buried radials. Also, I don't do 80 or 160.

Mike KK2DOG
www.hamwave.com

From: James <k9jfk@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 1, 2011 12:13 PM
Subject: [ham-antennas] Snow's Effect on Vertical Antennas

Hi...

Dave, WG2R, has brought up an interesting subject. I've often seen the slight changes of tuning on horizontal antennas from snow and rain... but they have been temporary effects. Most often, they are gone in a couple of hours, or at most, a day.

I have a trap vertical sitting on a 36 x 66ft radial field, and am curious as to the operation of the field when covered with snow. Most articles I've read cover "rain" operation with comments about "improved operation", but no studies that I've found, mention operations when snow covered.

First, a couple of comments:

One, there can be snow on the ground here in Southern Wisconsin four or five months of the year, ranging in depth from a couple of inches to a couple of feet. Once the "big stuff" gets here, it won't be gone till springtime. Does it help or hinder vertical antenna operations? And by how much?

Two, my impression of operating a vertical in the winter time has been outstanding. Yes, I've got a good radial field in good soil, and 99 percent of my operations are in the winter, but the ground is also frozen to a depth of three feet or so. Power output is generally in the 5w/50w, or sometimes 10w/100w, range, but my antenna is also 160ft away from station.

The snow doesn't help with the vertical's notorious "skip" zones, so I've purchased a couple of Reyco traps from Unadilla and will use those to convert parts of the vertical into an inverted "L" on 40 and 80 meters. (They do sell them separately, you just have to ask.) Hopefully, this winter I'll have a "local" qso, or two.

Aside from my "story", I don't know how snow or frozen ground effects the operation of my vertical antenna, if any. No models, studies, or comments have come to my attention.

Any thoughts appreciated.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "studentofradio" <studentofradio@...> wrote:
>
> I have a G5RV Jr that is resting on the top ridge of my house for now. It's in a perfectly straight line with the roof shingles directly beneath and in contact with the antenna wire. Some day I'll figure out a way to string it up higher, but it's been working fine while I learn the basics of ham radio - I've reached as far as Russia with my Yaesu FT-897 putting out 100 watts (not sure how much goes out the antenna.)
>
> It snowed yesterday here in New Jersey - we got about 4 inches of the stuff. When I tried to use the radio on 10 and 20 meters, which has an LDG AT-897 Plus antenna tuner attached, it took the tuner alot of time to tune - much more than the usual couple of seconds. Does the snow have anything to do with the long tuning time (10-20 seconds)?
>
> Thanks, Dave WG2R
>

[Non-text portions of this message have been removed]

20394. Re: Snow's Effect on Vertical Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-01 17:08:09 UTC
From: AB2ZY
Topic: 20371 Message: 20394

In general, the condition of the soil under radials on the ground is of little consequence. A proper radial field is a screen that isolates the radiator from the soil.

Where soil conditions matter more is in the fresenel zone and far field.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "James" <k9jfk@...> wrote:
>
> Hi...
>
> Dave, WG2R, has brought up an interesting subject. I've often seen the slight changes of tuning on horizontal antennas from snow and rain... but they have been temporary effects. Most often, they are gone in a couple of hours, or at most, a day.
>
> I have a trap vertical sitting on a 36 x 66ft radial field, and am curious as to the operation of the field when covered with snow. Most articles I've read cover "rain" operation with comments about "improved operation", but no studies that I've found, mention operations when snow covered.
>
> First, a couple of comments:
>
> One, there can be snow on the ground here in Southern Wisconsin four or five months of the year, ranging in depth from a couple of inches to a couple of feet. Once the "big stuff" gets here, it won't be gone till springtime. Does it help or hinder vertical antenna operations? And by how much?
>
> Two, my impression of operating a vertical in the winter time has been outstanding. Yes, I've got a good radial field in good soil, and 99 percent of my operations are in the winter, but the ground is also frozen to a depth of three feet or so. Power output is generally in the 5w/50w, or sometimes 10w/100w, range, but my antenna is also 160ft away from station.
>
> The snow doesn't help with the vertical's notorious "skip" zones, so I've purchased a couple of Reyco traps from Unadilla and will use those to convert parts of the vertical into an inverted "L" on 40 and 80 meters. (They do sell them separately, you just have to ask.) Hopefully, this winter I'll have a "local" qso, or two.
>
> Aside from my "story", I don't know how snow or frozen ground effects the operation of my vertical antenna, if any. No models, studies, or comments have come to my attention.
>
> Any thoughts appreciated.
>
> Jim, K9JFK
>

>
>
>
> --- In ham-antennas@yahoogroups.com, "studentofradio" <studentofradio@> wrote:
> >
> > I have a G5RV Jr that is resting on the top ridge of my house for now. It's in a perfectly straight line with the roof shingles directly beneath and in contact with the antenna wire. Some day I'll figure out a way to string it up higher, but it's been working fine while I learn the basics of ham radio - I've reached as far as Russia with my Yaesu FT-897 putting out 100 watts (not sure how much goes out the antenna.)
> >
> > It snowed yesterday here in New Jersey - we got about 4 inches of the stuff. When I tried to use the radio on 10 and 20 meters, which has an LDG AT-897 Plus antenna tuner attached, it took the tuner alot of time to tune - much more than the usual couple of seconds. Does the snow have anything to do with the long tuning time (10-20 seconds)?
> >
> > Thanks, Dave WG2R
> >
>

20395. Re: adding phasing stub to 1/4 wv 2meter (mobile ant.)for 70cm dual band operation

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-01 18:22:05 UTC
From: kb3svj@ymail.com
Topic: 20336 Message: 20395

Thank you!

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...>
wrote:
>
> The stub is added halfwave (on 70cm) up from the base
> The current up and down again does cancel (like in a ladderline)
> So the stub is acting like a trap
> Only the lower third of the antenna is radiating on uhf (so thr plan on this
> type of antenna)
> i could model it in mmama to say if it is right what I am guessing :-)
> greetz
> dg9bfc
> sigi
>
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von kb3svj@...
> > Gesendet: Donnerstag, 27. Oktober 2011 22:26
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] adding phasing stub to 1/4 wv 2meter (mobile
> > ant.)for 70cm dual band operation
> >
> >
> >
> > Hello All:
> >
> > I seem to recall an article where a fellow wanted to be able to use his
> > existing 2M 1/4 wave mobile antenna for 70cm operations since he had a
> > 2m/70cm dual band TX/Rx mobile rig. Needless to say,
> > I can't find it in my QST's and CQ mags.
> >
> > How he did it was to bend a piece of stout wire (what he would call a
> > phasing wire) into a "j" shape. I think the new element was roughly 1/4
> > wave long (not sure where in the band) with the first bend at only about
> > 1" and the second bend =/< then an inch. The inch portion would hold the
> > new element away from the main 2m element by an 1" while the second bend
> > would provide the mating surface to attach new element to the old. I think
> > he sweated the two together.
> >
> > Now, the orientation of the new element was upside down, not right side up
> > as one would expect to see in a j-pole. My guess is that the setup is
> > acting like a parasitic element (although I guess a true parasitic element

> > would not have physical contact with the main radiating element-what do I
> > know-advise accordingly plz) and allowing for the radiated signal to be
> > emitted.
> > While he did claim that the SWR was OK on both bands, his assessment-in a
> > nutshell- was that he was merely able to communicate on 70 cm in addition
> > to 2m. He found no change (I'm assuming no negative change) in is 2m
> > performance with the addition of the stub.
> >
> > Too, I am wondering it the radiation angle higher for 70cm would be higher
> > then if the antenna was solely 70cm 1/4 wave or if it would have the same
> > angle of takeoff as said mono band 1/4 wave.
> >
> > Thanks
> >
> > John kb3svj
> >
> > ps: I built a simple 1/4 antenna system for one of our club members who's
> > less fortunate then I; the main feature is that he merely has to switch
> > out the radiating element and the radial elements from a barrel connector.
> > Mind you, it's not an all weather antenna but it should afford him the
> > ability to get into repeaters while his apt (restriction on ext. antennas)
> > on either band (one at a time. That's why, I was wanting to make a dual
> > band antenna in the manner described.
> >
> >
> >
> >
>

20396. RE: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 19:56:12 UTC
From: jo barden
Topic: 20190 Message: 20396

I am afraid I disagree with you Al

I made one as per AA5TB and the G0KYA article in Radcom and in all honesty it was easy, now I grant you the LDG Z11 pro11 is an excellent bit of kit but it tunes it from 14mhz through to 28mhz but the antenna was made to 17m dimensions. It was made out of crappie fishing pole with enamelled copper wire up the inside and impedance transformer in waterproof box with the winding on an 140 ferrite (red). Using my FT-450 and max 100w it has got me JA,LU,ZS,PY,YC and Alaska so I am not complaining. Saying all this the bands are improving so that is probably helping a lot along with lower power but more efficient modes eg. RTTY/PSK/CW as well as 100w SSB.

The pole is one of them tapering ones so I have taped the joints to stop any movement, if you can access the Radcom archive for October 2010 that is when G0KYA did article on construction but if not AA5TB's web site is just as informative.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: akozak@...
Date: Fri, 21 Oct 2011 19:35:35 +0000
Subject: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

With a half wavelength you will need a matching network as the impedence will be a few thousand ohms. You lose the ability to run much power due to the very high voltage the matching network will be subject to. Evan 100W is likely to cause issues with modestly rated components. And the matching network is likely to render the antenna a monobander.

Unless there is a compelling reason to feed the antenna at the end (e.g., portable operation), most people would be better off configuring that half wavelength wire as a dipole.

Or use a counterpoise of some sort...

Al

AB2ZY

--- In ham-antennas@yahoogroups.com, Robert Moss <W1RAM@...> wrote:

>

> But what if the end fed antenna is a HALF wavelength long or a

> multiple thereof? Can't you do away with the elaborate radial/

> counterpoise system and simply run the braid side of the coax to an

> earth ground? There are some very successful commercial end fed half

> wave antennas that require only the most basic ground connection.

>

> Thanks,

>

> Bob W1RAM

>

>

>

> On Oct 20, 2011, at 10:18 AM, Chris Baker wrote:

>

> > Basically the end fed & unun requires a earth to work against, thats

> > why most layouts you see are as a sloper because the un un is

> > connected to earth stakes or radials.

> >

> > You can normally place the unun anywhere is best for you as long as

> > the radials/counterpoise is connected and you don't double back the

> > radiator too much on itself.

> > Try inv L , slopers or even a U or V or unpside down U/CV fed in one

> > corner with the centre up as high as possible.

> > the main thing with any aerial is to try to make sure as much as

> > possible is as high & in the clear.

> >

> >

> > Thanks

> >

> > Chris Baker B.A.

> >

> >

> > Sunny Morecambe, the gateway to the Lakes

> > ARS: G4LDS

> > WAB:SD 46

> > LOC: IO84 NB

> > G-QRP: 6884

> > IOTA: EU005

> > The SANDS Contest group : G1T

> > G4LDS@...

> >

> > [Non-text portions of this message have been removed]

> >

> >

>

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

20397. RE: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-01 18:44:12 UTC
From: jo barden
Topic: 20190 Message: 20397

Amazing how Yahoo is, I sent this 10 days ago!! JonG6UWK
> To: ham-antennas@yahoogroups.com
> From: jobarden422@...
> Date: Fri, 21 Oct 2011 20:56:12 +0100
> Subject: RE: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna
>
>
> I am afraid I disagree with you Al
>
> I made one as per AA5TB and the G0KYA article in Radcom and in all honesty it was easy, now I grant you the LDG Z11 pro11 is an excellent bit of kit but it tunes it from 14mhz through to 28mhz but the antenna was made to 17m dimensions. It was made out of crappie fishing pole with enamelled copper wire up the inside and impedance transformer in waterproof box with the winding on an 140 ferrite (red). Using my FT-450 and max 100w it has got me JA,LU,ZS,PY,YC and Alaska so I am not complaining. Saying all this the bands are improving so that is probably helping a lot along with lower power but more efficient modes eg. RTTY/PSK/CW as well as 100w SSB.
>
> The pole is one of them tapering ones so I have taped the joints to stop any movement, if you can access the Radcom archive for October 2010 that is when G0KYA did article on construction but if not AA5TB's web site is just as informative.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: akozak@...
> Date: Fri, 21 Oct 2011 19:35:35 +0000
> Subject: [ham-antennas] Re: Feeding a Half-Wave End Fed Antenna
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
> With a half wavelength you will need a matching network as the impedence will be a few thousand ohms. You lose the ability to run much power due to the very high voltage the matching network will be subject to. Evan 100W is likely to cause issues with modestly rated components. And the matching network is likely to render the antenna a monobander.
>
>
>
> Unless there is a compelling reason to feed the antenna at the end (e.g., portable operation), most people would be better off configuring that half wavelength wire as a dipole.
>
>
>
> Or use a counterpoise of some sort...
>
>
>
> Al
>
> AB2ZY
>
>
>
> --- In ham-antennas@yahoogroups.com, Robert Moss <W1RAM@...> wrote:
>
> >
>
> > But what if the end fed antenna is a HALF wavelength long or a
>
> > multiple thereof? Can't you do away with the elaborate radial/
>
> > counterpoise system and simply run the braid side of the coax to an
>
> > earth ground? There are some very successful commercial end fed half
>
> > wave antennas that require only the most basic ground connection.
>

> >
>
> > Thanks,
>
> >
>
> > Bob W1RAM
>
> >
>
> >
>
> >
>
> > On Oct 20, 2011, at 10:18 AM, Chris Baker wrote:
>
> >
>
> > > Basically the end fed & unun requires a earth to work against, thats
>
> > > why most layouts you see are as a sloper because the un un is
>
> > > connected to earth stakes or radials.
>
> > >
>
> > > You can normally place the unun anywhere is best for you as long as
>
> > > the radials/counterpoise is connected and you don't double back the
>
> > > radiator too much on itself.
>
> > > Try inv L , slopers or even a U or V or unpside down U/CV fed in one
>
> > > corner with the centre up as high as possible.
>
> > > the main thing with any aerial is to try to make sure as much as
>
> > > possible is as high & in the clear.
>
> > >
>
> > >
>
> > > Thanks
>
> > >
>
> > > Chris Baker B.A.
>

> > >
>
> > >
>
> > > Sunny Morecambe, the gateway to the Lakes
>
> > > ARS: G4LDS
>
> > > WAB:SD 46
>
> > > LOC: IO84 NB
>
> > > G-QRP: 6884
>
> > > IOTA: EU005
>
> > > The SANDS Contest group : G1T
>
> > > G4LDS@...
>
> > >
>
> > > [Non-text portions of this message have been removed]
>
> > >
>
> > >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20398. Re: [ham-antennas] Snow's Effect on Vertical Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-01 19:48:58 UTC
From: Dave Oldridge
Topic: 20371 Message: 20398

On 01/11/2011 9:38 AM, Mike Elcsisin wrote:
> We get a ton of snow here in Northern New York and it doesn't effect me whatsoever. I'm using a Hustler 6-BTV with 16 thirty-two foot buried radials. Also, I don't do 80 or 160.
>

Verticals tend to shed snow and ice. They are only apt to detune if
they get coated in an ice storm.

--
Dave Oldridge
Skype: daveoldridge
Ham Radio: VA7CZ

20399. Re: [ham-antennas] Snow's Effect on Vertical Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-01 19:50:56 UTC
From: Ron Youvan
Topic: 20371 Message: 20399

James K9JFK wrote:

> Dave, WG2R, has brought up an interesting subject. I've often seen the slight changes of tuning on
> horizontal antennas from snow and rain... but they have been temporary effects. Most often, they are
> gone in a couple of hours, or at most, a day.
>
> I have a trap vertical sitting on a 36 x 66ft radial field, and am curious as to the operation of
> the field when covered with snow. Most articles I've read cover "rain" operation with comments about
> "improved operation", but no studies that I've found, mention operations when snow covered.
/*snip*/
> Aside from my "story", I don't know how snow or frozen ground effects the operation of my vertical
> antenna, if any. No models, studies, or comments have come to my attention.

I think you should log your receive level ("S" meter readings) from several HF stations, such as
WWV and CHU (if they are still operating) and any HF beacons that you can hear and see if their
signals go up or down with weather. (starting now)
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20400. Re: [ham-antennas] Snow's Effect on Vertical Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-02 01:03:32 UTC
From: Artekmedia
Topic: 20371 Message: 20400

Too many variables involved besides just weather to conclude anything
from this type of data collection :-)

Dave

On 11/1/2011 2:50 PM, Ron Youvan wrote:
>
> James K9JFK wrote:
>
> > Dave, WG2R, has brought up an interesting subject. I've often seen
> the slight changes of tuning on
> > horizontal antennas from snow and rain... but they have been
> temporary effects. Most often, they are
> > gone in a couple of hours, or at most, a day.
> >
> > I have a trap vertical sitting on a 36 x 66ft radial field, and am
> curious as to the operation of
> > the field when covered with snow. Most articles I've read cover
> "rain" operation with comments about
> > "improved operation", but no studies that I've found, mention
> operations when snow covered.
> /*snip*/
> > Aside from my "story", I don't know how snow or frozen ground
> effects the operation of my vertical
> > antenna, if any. No models, studies, or comments have come to my
> attention.
>
> I think you should log your receive level ("S" meter readings) from
> several HF stations, such as
> WWV and CHU (if they are still operating) and any HF beacons that you
> can hear and see if their
> signals go up or down with weather. (starting now)
> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20401. tower height

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-21 23:18:35 UTC
From: john
Topic: 20401 Message: 20401

does the height have to include distance to top of antenna ? I would imagine so but just curious

20402. Re: [ham-antennas] tower height

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-02 12:39:56 UTC
From: Artekmedia
Topic: 20401 Message: 20402

IF your question is in regards to some local zoning ordinance it depends on a couple of things.

1) If the ordinance says "TOWER" heights shall not exceed say 50' this is generally interpreted to mean the tower plus the mast. So technically you could put a 30' vertical antenna on top of 50' tower and still meet the local code.
2) If the ordinance says "ANTENNA" height then that includes the tower and PLUS the antenna
3) Going back to #1 for a minute , even though the code says "TOWER", if in a poorly litigated prior case it was argued and the judge agreed that the intent was "Tower+Antenna" then that sets a precedence by which subsequent cases can be argued (and you loose) . Bad precedences can be overturned on appeal, but the cost in both real money and personal time becomes a hassle.

The short answer is it depends :-)

Good luck
Dave
NR1DX

On 10/21/2011 6:18 PM, john wrote:
>
> does the height have to include distance to top of antenna ? I would
> imagine so but just curious
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20403. Re: Snow's Effect on Vertical Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-02 17:34:47 UTC
From: unclegeorgessurplus
Topic: 20371 Message: 20403

Hey Guys,
If you move to the West coast of Florida where I am, the snow accumulation is not an issue. We don't use heating oil and I think my heat strips on the air conditioner came on for less than an entire week last winter. Unless you use air conditioning in the summer time, the electric bills are less then $40 per month to run the water heater,refridgerator and fans..I pay $6 for two light bulbs, per month when I am away. There are many downsides but with the weather so great lately, I can't think of one.
I even have a condo for sale your will love. In back of a great shopping centre you can walk to not even a block to the best grocery store in Florida, Publix. Seriously call me it interested. Taxes are also low with $25,000 homestead exemption and other discounts you may pay $100 a year max or maybe less.
Come on down, the weather is great and the 10 15 meter bands are wide open.
Await your reply,
George Collier 813 238 4830

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Too many variables involved besides just weather to conclude anything
> from this type of data collection :-)
>
> Dave
>
> On 11/1/2011 2:50 PM, Ron Youvan wrote:
> >
> > James K9JFK wrote:
> >
> > > Dave, WG2R, has brought up an interesting subject. I've often seen
> > the slight changes of tuning on
> > > horizontal antennas from snow and rain... but they have been
> > temporary effects. Most often, they are
> > > gone in a couple of hours, or at most, a day.
> > >
> > > I have a trap vertical sitting on a 36 x 66ft radial field, and am
> > curious as to the operation of
> > > the field when covered with snow. Most articles I've read cover
> > "rain" operation with comments about
> > > "improved operation", but no studies that I've found, mention
> > operations when snow covered.
> > /*snip*/
> > > Aside from my "story", I don't know how snow or frozen ground
> > effects the operation of my vertical
> > > antenna, if any. No models, studies, or comments have come to my
> > attention.
> >
> > I think you should log your receive level ("S" meter readings) from

> > several HF stations, such as
> > WWV and CHU (if they are still operating) and any HF beacons that you
> > can hear and see if their
> > signals go up or down with weather. (starting now)
> > --
> > Ron KA4INM - Ron KA4INM - Did you know ...
> > ... that no-one ever reads these things?
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
> [Non-text portions of this message have been removed]
>

20404. Re: tower height

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-02 18:10:34 UTC
From: Bryan
Topic: 20401 Message: 20404

When it came time to submit the permit application for my 72' tower, I asked if the height is the overall height or just the height of the tower. Initially, I intend to install a Force 12 C-4XL 40/20/15/10m yagi that requires boom support. The mast will extend 10' above the yagi. I also intend to install a Cushcraft AR-10 on top of the mast. That puts the highest point at 72+10+16 = 98 feet AGL. However, the county was concerned only about the height of the tower itself. Your mileage may vary.

Ask the people who will be issuing your permit or your PE. It's their job to answer those questions for YOUR application. Anything else is just speculation and can lead to disappointment (or worse).

vy 73,
Bryan WA7PRC

--- Dave NR1DX wrote:
>
> IF your question is in regards to some local zoning ordinance it depends
> on a couple of things.
>
> 1) If the ordinance says "TOWER" heights shall not exceed say 50' this
> is generally interpreted to mean the tower plus the mast. So technically
> you could put a 30' vertical antenna on top of 50' tower and still meet
> the local code.
> 2) If the ordinance says "ANTENNA" height then that includes the tower
> and PLUS the antenna
> 3) Going back to #1 for a minute , even though the code says "TOWER",
> if in a poorly litigated prior case it was argued and the judge agreed
> that the intent was "Tower+Antenna" then that sets a precedence by which
> subsequent cases can be argued (and you loose) . Bad precedences can be
> overturned on appeal, but the cost in both real money and personal time
> becomes a hassle.
>
> The short answer is it depends :-)
>
> Good luck
> Dave
> NR1DX
>
>
> On 10/21/2011 6:18 PM, john wrote:
> >
> > does the height have to include distance to top of antenna ? I would
> > imagine so but just curious

20405. Advice on spacing - HF bean to 2m beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-03 03:33:44 UTC
From: ve9xyz
Topic: 20405 Message: 20405

I am installing a Mosley TA-33-M-WARC beam on a 32' self-support tower, and am womdering about the required spacing between that HF beam (mounted horizontally, of course) and my 13 element Cuscraft 2-meter yagi, which I plan to mount above the Mosley, in a vertical yagi configuration.

I'm not sure what spscing I need to ensure that these antennas both work properly.

Can someone with some experience with this advise?

Thanks,

Kevin

VE9XYZ

myfamilydotcom@...

20406. Re: [ham-antennas] Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-10-22 01:46:06 UTC
From: Larry Tooley
Topic: 20196 Message: 20406

Amen! And humans get crazier when your houses start looking alike. You can't use that kind of mailbox! We didn't. ad infinitum
----- Original Message -----
From: Chuck Schultz
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 8:25 PM
Subject: Re: [ham-antennas] Tower Ordinance

I saw that after I wrote ....All laws seem to be somewhat off base when written into law by folks that have no idea what they are trying to accomplish . These laws only affect us ....how about gun control or even broader Health Care We may just need a simple law to prevent useless laws . Chuck
----- Original Message -----
From: David Rogers
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 7:59 PM
Subject: Re: [ham-antennas] Tower Ordinance

See my follow up message wherein I admit the error.

David, WA7ZYQ

----- Original Message -----
From: Chuck Schultz
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 5:55 PM
Subject: Re: [ham-antennas] Tower Ordinance

Your math leaves a little to yet figure . A 50 ft. wide lot with the tower in the center would be 25 ft from each side . This would make the maximize antenna height appox . 16ft or 2/3 of 25ft. ... Good DX Chuck Wq5B
----- Original Message -----
From: David Rogers
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 4:27 PM
Subject: Re: [ham-antennas] Tower Ordinance

Joe,

That would appear to mean that if your tower is 50 feet tall, it has to be at least 75 feet from any property line.

If you have a 50 foot wide lot, that would appear to limit the height of your antenna to (50/3)x 2 = approx. 32 feet.

Of course, I could be wrong. But that is what it seems to say.

David, WA7ZYQ

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Friday, October 21, 2011 2:09 PM
Subject: [ham-antennas] Tower Ordinance

Going through the local tower ordnance it states the below. What do you all think it means/

(3) Amateur radio. This ordinance shall not govern the installation of any tower or antenna support structure that is owned and/or operated by a federally licensed amateur radio operator, that is less than 75 feet in height and is placed at a distance equal to or more than one and one-half the height of the tower from any adjacent property line.

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20407. Re: Window/door feed-thru jumper

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-03 15:20:23 UTC
From: kj4fgi
Topic: 20368 Message: 20407

Thank you for all your help, sorry for not getting back so quick, got sick. I am only running 100w of power at the most and the door is aluminum and the wire is solid and the door insulation is a little of a buffer. The Ladder Line goes through the side of the sliding glass door that I don't use so once I shut it that's it.

I am thinking of making one more feed through, I like experimenting with long wire antennas and unun/balun, I live within a HOA and "no antennas visible from the road" law is in effect. I have woods behind me and I have a few pulleys about 13 feet off the ground (the high point of my house) to raise and lower my antennas for easy experimentation, also the sliding glass doors are in a covered patio (Lani) as they call it hear in Florida and it keeps the connectors out of the elements. Again, Thanks for the answers as my knowledge is only from asking questions.

73s Ed KJ4FGI

--- In ham-antennas@...m, WA8JXM <wa8jxm@...> wrote:
>
>
> On Oct 30, 2011, at 12:42 PM, kj4fgi wrote:
>
> > My question is the Window/door feed-thru jumper with 450 ohm Ladder Line and 2 SO-239 chassis female connectors through the metal sliding glass doors, does that do anything to my signal? Increase impermanence?
>
> Is the door aluminum or vinyl?
>
> It will cause an impedance bump in the line which will have to be tuned out. Beyond that, probably not anything significant beyond possibly increased noise pickup.
>
> If it is a metal door and you were at a high voltage node or running high power, it could possibly arc over to the metal door.
>
> If the ladder line is solid conductor, I would also watch to make sure that the conductors do not break where they go through the door (over time).
>
> I'm bringing in my twin lead the same way, but through a vinyl window (but I'm not using coax, the twin lead goes all the way to the dipole.)
>
> Ken
>

20408. Re: [ham-antennas] Re: Window/door feed-thru jumper

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-03 15:29:52 UTC
From: dean
Topic: 20368 Message: 20408

I got a piece of wood that would fit in the track snug about 4 inches wide. I put it in and drilled holes thru it for my 2 inch barrel connectors. My doors and windows are also aluminum but I’m using coax not wire.

73, WY6L

From: kj4fgi
Sent: Thursday, November 03, 2011 8:20 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Window/door feed-thru jumper

Thank you for all your help, sorry for not getting back so quick, got sick. I am only running 100w of power at the most and the door is aluminum and the wire is solid and the door insulation is a little of a buffer. The Ladder Line goes through the side of the sliding glass door that I don't use so once I shut it that's it.

I am thinking of making one more feed through, I like experimenting with long wire antennas and unun/balun, I live within a HOA and "no antennas visible from the road" law is in effect. I have woods behind me and I have a few pulleys about 13 feet off the ground (the high point of my house) to raise and lower my antennas for easy experimentation, also the sliding glass doors are in a covered patio (Lani) as they call it hear in Florida and it keeps the connectors out of the elements. Again, Thanks for the answers as my knowledge is only from asking questions.

73s Ed KJ4FGI

--- In mailto:ham-antennas%40yahoogroups.com, WA8JXM <wa8jxm@...> wrote:
>
>
> On Oct 30, 2011, at 12:42 PM, kj4fgi wrote:
>
> > My question is the Window/door feed-thru jumper with 450 ohm Ladder Line and 2 SO-239 chassis female connectors through the metal sliding glass doors, does that do anything to my signal? Increase impermanence?
>
> Is the door aluminum or vinyl?
>
> It will cause an impedance bump in the line which will have to be tuned out. Beyond that, probably not anything significant beyond possibly increased noise pickup.
>
> If it is a metal door and you were at a high voltage node or running high power, it could possibly arc over to the metal door.
>
> If the ladder line is solid conductor, I would also watch to make sure that the conductors do not break where they go through the door (over time).
>

> I'm bringing in my twin lead the same way, but through a vinyl window (but I'm not using coax, the twin lead goes all the way to the dipole.)
>
> Ken
>

[Non-text portions of this message have been removed]

20409. Hex Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-03 15:59:44 UTC
From: n5drgdanny
Topic: 20409 Message: 20409

Looking for instructions on building Hex Beam Antenna that could be set up in the field for such purposes as Field Day, or other emergency operations.
Basicly a three band HF type.
1. Where can I find the parts, design, ect.
plus any personal information on this type of antenna that you may have built.

Thanks,
de N5DRG

20410. Re: Window/door feed-thru jumper

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-03 16:14:18 UTC
From: kj4fgi
Topic: 20368 Message: 20410

I was reading about using the window project, the type of windows (builders special) are cemented into cinder block so the holes would be very shallow and not continuing to keep a home safe environment. My idea was to replicate the $59.00 Comet CTC-50M Window/Door Feed-Through, I figured the only thin different is they probably use a more flexible/stronger conductor than ladder line for mutable open and closures I will do it once or twice and that's it.

If the SWR goes up and it turns out to be the feed through I just solder an new 12 inch length of ladder line. Thanks for the suggestions, I appreciate the response.

73s Ed - KJ4FGI

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> I got a piece of wood that would fit in the track snug about 4 inches wide. I put it in and drilled holes thru it for my 2 inch barrel connectors. My doors and windows are also aluminum but Iâ□□m using coax not wire.
>
> 73, WY6L
>
>
>
> From: kj4fgi
> Sent: Thursday, November 03, 2011 8:20 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Window/door feed-thru jumper
>
>
> Thank you for all your help, sorry for not getting back so quick, got sick. I am only running 100w of power at the most and the door is aluminum and the wire is solid and the door insulation is a little of a buffer. The Ladder Line goes through the side of the sliding glass door that I don't use so once I shut it that's it.
>
> I am thinking of making one more feed through, I like experimenting with long wire antennas and unun/balun, I live within a HOA and "no antennas visible from the road" law is in effect. I have woods behind me and I have a few pulleys about 13 feet off the ground (the high point of my house) to raise and lower my antennas for easy experimentation, also the sliding glass doors are in a covered patio (Lani) as they call it hear in Florida and it keeps the connectors out of the elements. Again, Thanks for the answers as my knowledge is only from asking questions.
>
> 73s Ed KJ4FGI
>
> --- In mailto:ham-antennas%40yahoogroups.com, WA8JXM <wa8jxm@> wrote:
> >
> >
> > On Oct 30, 2011, at 12:42 PM, kj4fgi wrote:
> >
> > > My question is the Window/door feed-thru jumper with 450 ohm Ladder Line and 2 SO-239 chassis female

connectors through the metal sliding glass doors, does that do anything to my signal? Increase impermanence?
> >
> > Is the door aluminum or vinyl?
> >
> > It will cause an impedance bump in the line which will have to be tuned out. Beyond that, probably not anything significant beyond possibly increased noise pickup.
> >
> > If it is a metal door and you were at a high voltage node or running high power, it could possibly arc over to the metal door.
> >
> > If the ladder line is solid conductor, I would also watch to make sure that the conductors do not break where they go through the door (over time).
> >
> > I'm bringing in my twin lead the same way, but through a vinyl window (but I'm not using coax, the twin lead goes all the way to the dipole.)
> >
> > Ken
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20411. Re: [ham-antennas] Hex Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-03 16:16:40 UTC
From: Frank Kirschner
Topic: 20409 Message: 20411

You could start with the hexbeam homebrew page:

http://www.midcoast.com/~w1gql/hex/hexbeam.htm

by W1GQL.

Here's another useful site:

http://leoshoemaker.com/hexbeambyk4kio/general.html

A Google search for "hexbeam" will bring up these and other sites.

GL

73,
Frank
KF6E

On Thu, Nov 3, 2011 at 11:59 AM, n5drgdanny <jhoonbee@...> wrote:

> **
>
>
> Looking for instructions on building Hex Beam Antenna that could be set up
> in the field for such purposes as Field Day, or other emergency operations.
> Basicly a three band HF type.
> 1. Where can I find the parts, design, ect.
> plus any personal information on this type of antenna that you may have
> built.
>
> Thanks,
> de N5DRG
>
>
>

[Non-text portions of this message have been removed]

20412. AW: [ham-antennas] Hex Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-03 16:43:24 UTC
From: Siegfried Jackstien
Topic: 20409 Message: 20412

Ever heard of the "spiderbeam?!?
http://www.spiderbeam.com/
Nearly the same thing ... but easier to build (only 4 spreaders instead of 6) ... there are "kits" available with all needed parts
Or you can just use the building instructions and build it from other parts (fishing rods etc.)
Many dx-peditions use this antenna (and they know why)
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von n5drgdanny
> Gesendet: Donnerstag, 3. November 2011 16:00
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Hex Beam
>
>
>
> Looking for instructions on building Hex Beam Antenna that could be set up
> in the field for such purposes as Field Day, or other emergency
> operations.
> Basicly a three band HF type.
> 1. Where can I find the parts, design, ect.
> plus any personal information on this type of antenna that you may have
> built.
>
> Thanks,
> de N5DRG
>
>
>
>

20413. Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-04 01:24:04 UTC
From: Paul
Topic: 20196 Message: 20413

That ordinance has been preempted by PRB-1.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> Going through the local tower ordnance it states the below. What do you
> all think it means/
>
>
> (3) Amateur radio. This ordinance
> shall not govern the installation of any tower or
> antenna support structure that is owned and/or
> operated by a federally licensed amateur radio
> operator, that is less than 75 feet in height and is
> placed at a distance equal to or more than one and
> one-half the height of the tower from any adjacent
> property line.
>
> Joe WB9SBD
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
>
> [Non-text portions of this message have been removed]
>

20414. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-04 03:16:00 UTC
From: Joe
Topic: 20196 Message: 20414

Paul can you show me how that is true?

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 11/3/2011 8:24 PM, Paul wrote:
> That ordinance has been preempted by PRB-1.
>
> Paul - K9ERG
>
> --- In ham-antennas@yahoogroups.com, Joe<nss@...> wrote:
>> Going through the local tower ordnance it states the below. What do you
>> all think it means/
>>
>>
>> (3) Amateur radio. This ordinance
>> shall not govern the installation of any tower or
>> antenna support structure that is owned and/or
>> operated by a federally licensed amateur radio
>> operator, that is less than 75 feet in height and is
>> placed at a distance equal to or more than one and
>> one-half the height of the tower from any adjacent
>> property line.
>>
>> Joe WB9SBD
>> --
>>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20415. RE: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-04 08:48:27 UTC
From: KA9EGW
Topic: 20196 Message: 20415

"...equal to or more than one and a half"...so what if it's between 1 and 1.5 the distance?
Whether or not it's preempted doesn't stop it from being worded so as to make no sense...
Apologies if this has already been beat to death; haven't been following the thread all that closely
73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Paul
Sent: Thursday, November 03, 2011 8:24 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Tower Ordinance

That ordinance has been preempted by PRB-1.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> Going through the local tower ordnance it states the below. What do
> you all think it means/
>
>
> (3) Amateur radio. This ordinance
> shall not govern the installation of any tower or antenna support
> structure that is owned and/or operated by a federally licensed
> amateur radio operator, that is less than 75 feet in height and is
> placed at a distance equal to or more than one and one-half the height
> of the tower from any adjacent property line.
>
> Joe WB9SBD
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
>
> [Non-text portions of this message have been removed]
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20416. Re: Snow's Effect on Vertical Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-04 13:29:43 UTC
From: studentofradio
Topic: 20371 Message: 20416

Ron - that's a great idea, thanks. I have a Yaesu FT-897 rig with a built-in display that leaves a lot to be desired when it comes to readings "S" meter levels. I think I'll buy an LDG external meter for that purpose.

Dave WG2R

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> James K9JFK wrote:
>
> > Dave, WG2R, has brought up an interesting subject. I've often seen the slight changes of tuning on
> > horizontal antennas from snow and rain... but they have been temporary effects. Most often, they are
> > gone in a couple of hours, or at most, a day.
> >
> > I have a trap vertical sitting on a 36 x 66ft radial field, and am curious as to the operation of
> > the field when covered with snow. Most articles I've read cover "rain" operation with comments about
> > "improved operation", but no studies that I've found, mention operations when snow covered.
> /*snip*/
> > Aside from my "story", I don't know how snow or frozen ground effects the operation of my vertical
> > antenna, if any. No models, studies, or comments have come to my attention.
>
> I think you should log your receive level ("S" meter readings) from several HF stations, such as
> WWV and CHU (if they are still operating) and any HF beacons that you can hear and see if their
> signals go up or down with weather. (starting now)
> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

20417. Arrl antenna compendium vol 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-04 14:05:30 UTC
From: Mike Rodgers
Topic: 20417 Message: 20417

Does someone have this book that can look up something for me?

Thanks
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

20418. Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-04 15:44:09 UTC
From: urei
Topic: 20196 Message: 20418

Joe, Google PRB-1. Lots of info to be had.

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> Paul can you show me how that is true?
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 11/3/2011 8:24 PM, Paul wrote:
> > That ordinance has been preempted by PRB-1.
> >
> > Paul - K9ERG
> >
> > --- In ham-antennas@yahoogroups.com, Joe<nss@> wrote:
> >> Going through the local tower ordnance it states the below. What do you
> >> all think it means/
> >>
> >>
> >> (3) Amateur radio. This ordinance
> >> shall not govern the installation of any tower or
> >> antenna support structure that is owned and/or
> >> operated by a federally licensed amateur radio
> >> operator, that is less than 75 feet in height and is
> >> placed at a distance equal to or more than one and
> >> one-half the height of the tower from any adjacent
> >> property line.
> >>
> >> Joe WB9SBD
> >> --
> >>
> >> The Original Rolling Ball Clock
> >> Idle Tyme
> >> Idle-Tyme.com
> >> http://www.idle-tyme.com
> >>
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >
> >

> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

20419. Re: [ham-antennas] Arrl antenna compendium vol 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-04 20:58:27 UTC
From: Ken Burchfield
Topic: 20417 Message: 20419

Hi Mike,
What is it that you need. I will give it a go.
Detail what you want. book is 81+meg.
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: Mike Rodgers <mikerodgerske5gbc@...>
To: HamAntennas <ham-antennas@yahoogroups.com>
Sent: Friday, November 4, 2011 9:05 AM
Subject: [ham-antennas] Arrl antenna compendium vol 2

Does someone have this book that can look up something for me?

Thanks
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

[Non-text portions of this message have been removed]

20420. Re: Feeding a Half-Wave End Fed Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 04:19:01 UTC
From: kj4fgi
Topic: 20190 Message: 20420

I have a PAR end fed for 20m and 40m, I wound an T130-2 Toroid and made an End Fed for 40m antenna from emergency amateur radio club
http://www.earchi.org/92011endfedfiles/Endfed6_40.pdf

Now while listening on 40m I switched between the one I built and the PAR (fyi Par on e-ham got a 5 on all 342 reviews) the Par antenna gave a good signal with low noise , mine gave a good signal more noise I than switched to another Longwire antenna which uses a 9:1 balun with ground radials an increased noise, the Par antenna very low noise.

What is it in the Par single wire,no ground end fed that makes it so good. When HF conditions are real good I can get a qso with Australia and fair conditions no problem with Europe. My antenna is only 12 to 13 feet above lossey soil (Florida Sand)

Ed kj4fgi
--- In ham-antennas@yahoogroups.com, "Larry Tooley" <wa9guu@...> wrote:
>
> Yes. The only trouble is the end feed will be a high inpedance not matching
> the 50 ohm coax feedline.
> Will have to have use a match box or tapped coil arangement. I think the
> tap goes to 50 ohm coax center conductor and the end goes to the antenna.
> The other end of the coil is the common ground.
>
> Larry
> WA9G
> ----- Original Message -----
> From: "Robert Moss" <W1RAM@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Thursday, October 20, 2011 11:04 AM
> Subject: [ham-antennas] Feeding a Half-Wave End Fed Antenna
>
>
> > But what if the end fed antenna is a HALF wavelength long or a
> > multiple thereof? Can't you do away with the elaborate radial/
> > counterpoise system and simply run the braid side of the coax to an
> > earth ground? There are some very successful commercial end fed half
> > wave antennas that require only the most basic ground connection.
> >
> > Thanks,
> >
> > Bob W1RAM
> >
> >
> >
> > On Oct 20, 2011, at 10:18 AM, Chris Baker wrote:
> >
> >> Basically the end fed & unun requires a earth to work against, thats

> >> why most layouts you see are as a sloper because the un un is
> >> connected to earth stakes or radials.
> >>
> >> You can normally place the unun anywhere is best for you as long as
> >> the radials/counterpoise is connected and you don't double back the
> >> radiator too much on itself.
> >> Try inv L , slopers or even a U or V or unpside down U/CV fed in one
> >> corner with the centre up as high as possible.
> >> the main thing with any aerial is to try to make sure as much as
> >> possible is as high & in the clear.
> >>
> >>
> >> Thanks
> >>
> >> Chris Baker B.A.
> >>
> >>
> >> Sunny Morecambe, the gateway to the Lakes
> >> ARS: G4LDS
> >> WAB:SD 46
> >> LOC: IO84 NB
> >> G-QRP: 6884
> >> IOTA: EU005
> >> The SANDS Contest group : G1T
> >> G4LDS@...
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > to ALL 2586 members (as of 6/28/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >

>

20421. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 04:53:04 UTC
From: Peter Ackermann
Topic: 20196 Message: 20421

When you present PRB-1 to whomever, always, always, always be nice about it!
They are not aware of PRB-1 and they will probably have a hissy fit. But
PRB-1 was created
to protect your First Amendment Right to use Amateur Radio.

On 11/4/2011 11:44 AM, urei wrote:
>
> Joe, Google PRB-1. Lots of info to be had.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Joe <nss@...> wrote:
> >
> > Paul can you show me how that is true?
> >
> > Joe WB9SBD
> >
> > The Original Rolling Ball Clock
> > Idle Tyme
> > Idle-Tyme.com
> > http://www.idle-tyme.com
> >
> > On 11/3/2011 8:24 PM, Paul wrote:
> > > That ordinance has been preempted by PRB-1.
> > >
> > > Paul - K9ERG
> > >
> > > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Joe<nss@> wrote:
> > >> Going through the local tower ordnance it states the below. What
> do you
> > >> all think it means/
> > >>
> > >>
> > >> (3) Amateur radio. This ordinance
> > >> shall not govern the installation of any tower or
> > >> antenna support structure that is owned and/or
> > >> operated by a federally licensed amateur radio
> > >> operator, that is less than 75 feet in height and is
> > >> placed at a distance equal to or more than one and
> > >> one-half the height of the tower from any adjacent
> > >> property line.
> > >>
> > >> Joe WB9SBD
> > >> --
> > >>

> > >> The Original Rolling Ball Clock
> > >> Idle Tyme
> > >> Idle-Tyme.com
> > >> http://www.idle-tyme.com
> > >>
> > >>
> > >> [Non-text portions of this message have been removed]
> > >>
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory
> MAY be cause for suspension. Moderators WILL have final say in these
> matters.
> > > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > > Yahoo! Groups Links
> > >
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
>
>

[Non-text portions of this message have been removed]

20422. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 09:49:55 UTC
From: James E. Wells (KDØAJZ)
Topic: 20196 Message: 20422

While the PRB-1 is a law about Amateur Radio and being able to use them without restrictions by lower government officials.
The First Amendment of the Constitution has nothing to do with this.
Putting up a tower and Freedom of Speech are two separate issues.
Not unless you are talking about “petition the Government for a redress of grievances.”
That might have something to do with it but I really doubt it.

Just a Thought.

From: Peter Ackermann
Sent: Friday, November 04, 2011 11:53 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Tower Ordinance

When you present PRB-1 to whomever, always, always, always be nice about it!
They are not aware of PRB-1 and they will probably have a hissy fit. But
PRB-1 was created
to protect your First Amendment Right to use Amateur Radio.

On 11/4/2011 11:44 AM, urei wrote:
>
> Joe, Google PRB-1. Lots of info to be had.
>
> --- In mailto:ham-antennas%40yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Joe <nss@...> wrote:
> >
> > Paul can you show me how that is true?
> >
> > Joe WB9SBD
> >
> > The Original Rolling Ball Clock
> > Idle Tyme
> > Idle-Tyme.com
> > http://www.idle-tyme.com
> >
> > On 11/3/2011 8:24 PM, Paul wrote:
> > > That ordinance has been preempted by PRB-1.
> > >
> > > Paul - K9ERG
> > >
> > > --- In mailto:ham-antennas%40yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, Joe<nss@> wrote:
> > >> Going through the local tower ordnance it states the below. What
> > do you
> > >> all think it means/
> > >>

> > >>
> > >> (3) Amateur radio. This ordinance
> > >> shall not govern the installation of any tower or
> > >> antenna support structure that is owned and/or
> > >> operated by a federally licensed amateur radio
> > >> operator, that is less than 75 feet in height and is
> > >> placed at a distance equal to or more than one and
> > >> one-half the height of the tower from any adjacent
> > >> property line.
> > >>
> > >> Joe WB9SBD
> > >> --
> > >>
> > >> The Original Rolling Ball Clock
> > >> Idle Tyme
> > >> Idle-Tyme.com
> > >> http://www.idle-tyme.com
> > >>
> > >>
> > >> [Non-text portions of this message have been removed]
> > >>
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory
> MAY be cause for suspension. Moderators WILL have final say in these
> matters.
> > > Post message: mailto:ham-antennas%40yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > > Yahoo! Groups Links
> > >
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
>

>

[Non-text portions of this message have been removed]

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6602 (20111104) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK
part001.htm - is OK

http://www.eset.com

[Non-text portions of this message have been removed]

20423. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 11:08:37 UTC
From: Peter Ackermann
Topic: 20196 Message: 20423

It's not about the tower. It's about the ability to use it.
Tower ordinances and alike are most likely a matter of aesthetics ans
safe installations.
PRB-1 and Part 25, sec104 is about the right the the licencee to utilize
his/her installations over and beyond the authority of governmental
bodies below the Federal Communication Commission. And therefore, it is
my right to access the airwaves under the 1st amendment with the license
privileges issued to me by the FCC.
Now, one can jam it down their throats or spoon feed it gently.

On 11/5/2011 5:49 AM, James E. Wells (KDØAJZ) wrote:
>
> While the PRB-1 is a law about Amateur Radio and being able to use
> them without restrictions by lower government officials.
> The First Amendment of the Constitution has nothing to do with this.
> Putting up a tower and Freedom of Speech are two separate issues.
> Not unless you are talking about “petition the Government for a
> redress of grievances.”
> That might have something to do with it but I really doubt it.
>
> Just a Thought.
>
> From: Peter Ackermann
> Sent: Friday, November 04, 2011 11:53 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: Tower Ordinance
>
> When you present PRB-1 to whomever, always, always, always be nice
> about it!
> They are not aware of PRB-1 and they will probably have a hissy fit. But
> PRB-1 was created
> to protect your First Amendment Right to use Amateur Radio.
>
> On 11/4/2011 11:44 AM, urei wrote:
> >
> > Joe, Google PRB-1. Lots of info to be had.
> >
> > --- In mailto:ham-antennas%40yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, Joe <nss@...> wrote:
> > >
> > > Paul can you show me how that is true?
> > >
> > > Joe WB9SBD
> > >
> > > The Original Rolling Ball Clock

> > > Idle Tyme
> > > Idle-Tyme.com
> > > http://www.idle-tyme.com
> > >
> > > On 11/3/2011 8:24 PM, Paul wrote:
> > > > That ordinance has been preempted by PRB-1.
> > > >
> > > > Paul - K9ERG
> > > >
> > > > --- In mailto:ham-antennas%40yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, Joe<nss@> wrote:
> > > > >> Going through the local tower ordnance it states the below. What
> > do you
> > > > >> all think it means/
> > > > >>
> > > > >>
> > > > >> (3) Amateur radio. This ordinance
> > > > >> shall not govern the installation of any tower or
> > > > >> antenna support structure that is owned and/or
> > > > >> operated by a federally licensed amateur radio
> > > > >> operator, that is less than 75 feet in height and is
> > > > >> placed at a distance equal to or more than one and
> > > > >> one-half the height of the tower from any adjacent
> > > > >> property line.
> > > > >>
> > > > >> Joe WB9SBD
> > > > >> --
> > > > >>
> > > > >> The Original Rolling Ball Clock
> > > > >> Idle Tyme
> > > > >> Idle-Tyme.com
> > > > >> http://www.idle-tyme.com
> > > > >>
> > > > >>
> > > > >> [Non-text portions of this message have been removed]
> > > > >>
> > > > >
> > > > >
> > > > >
> > > > > ------------------------------------
> > > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > NOT permitted.
> > > > > Any statements in ANY post that may be construed as inflamatory
> > MAY be cause for suspension. Moderators WILL have final say in these
> > matters.
> > > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
> > > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com

> > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > Yahoo! Groups Links
> > > >
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> _____ Information from ESET NOD32 Antivirus, version of virus
> signature database 6602 (20111104) _____
>
> The message was checked by ESET NOD32 Antivirus.
>
> part000.txt - is OK
> part001.htm - is OK
>
> http://www.eset.com
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

20424. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 11:30:07 UTC
From: James E. Wells (KDØAJZ)
Topic: 20196 Message: 20424

You'll never get the First Amendment on the plate if you take it to court. The First Amendment has nothing to do with your tower or the Use of the Tower for Amateur Radio. The first Amendment is about Freedom of Speech, Religious rights and Grievances. I see nothing there that says "Use this for Amateur Radio."
The FCC LAW is what gives you the right. Not the Constitution. Until the law was written you would not have a leg to sand on.

Amendment I

Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances.

Don't see anything here about Amateur Radio.

Now it does give you the right to speak your opinion and that the Government does not have the right to Establish a Religion and they do not have the right to keep you from practicing your religion.. It also gives you the right to assemble peacefully and that you have the right to Petition the Government with any grievances that you have against the Government.

I for the life of me can see nothing here that protects your rights about your Amateur Radio

Again just a thought

From: Peter Ackermann
Sent: Saturday, November 05, 2011 6:08 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Tower Ordinance

It's not about the tower. It's about the ability to use it.
Tower ordinances and alike are most likely a matter of aesthetics ans
safe installations.
PRB-1 and Part 25, sec104 is about the right the the licencee to utilize
his/her installations over and beyond the authority of governmental
bodies below the Federal Communication Commission. And therefore, it is
my right to access the airwaves under the 1st amendment with the license
privileges issued to me by the FCC.
Now, one can jam it down their throats or spoon feed it gently.

On 11/5/2011 5:49 AM, James E. Wells (KDØAJZ) wrote:
>
> While the PRB-1 is a law about Amateur Radio and being able to use
> them without restrictions by lower government officials.
> The First Amendment of the Constitution has nothing to do with this.
> Putting up a tower and Freedom of Speech are two separate issues.

> Not unless you are talking about “petition the Government for a
> redress of grievances.”
> That might have something to do with it but I really doubt it.
>
> Just a Thought.
>
> From: Peter Ackermann
> Sent: Friday, November 04, 2011 11:53 PM
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: Tower Ordinance
>
> When you present PRB-1 to whomever, always, always, always be nice
> about it!
> They are not aware of PRB-1 and they will probably have a hissy fit. But
> PRB-1 was created
> to protect your First Amendment Right to use Amateur Radio.
>
> On 11/4/2011 11:44 AM, urei wrote:
> >
> > Joe, Google PRB-1. Lots of info to be had.
> >
> > --- In mailto:ham-antennas%40yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, Joe <nss@...> wrote:
> > >
> > > Paul can you show me how that is true?
> > >
> > > Joe WB9SBD
> > >
> > > The Original Rolling Ball Clock
> > > Idle Tyme
> > > Idle-Tyme.com
> > > http://www.idle-tyme.com
> > >
> > > On 11/3/2011 8:24 PM, Paul wrote:
> > > > That ordinance has been preempted by PRB-1.
> > > >
> > > > Paul - K9ERG
> > > >
> > > > --- In mailto:ham-antennas%40yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, Joe<nss@> wrote:
> > > > >> Going through the local tower ordnance it states the below. What
> > do you
> > > > >> all think it means/
> > > > >>
> > > > >>
> > > > >> (3) Amateur radio. This ordinance
> > > > >> shall not govern the installation of any tower or
> > > > >> antenna support structure that is owned and/or
> > > > >> operated by a federally licensed amateur radio
> > > > >> operator, that is less than 75 feet in height and is

> > > >> placed at a distance equal to or more than one and
> > > >> one-half the height of the tower from any adjacent
> > > >> property line.
> > > >>
> > > >> Joe WB9SBD
> > > >> --
> > > >>
> > > >> The Original Rolling Ball Clock
> > > >> Idle Tyme
> > > >> Idle-Tyme.com
> > > >> http://www.idle-tyme.com
> > > >>
> > > >>
> > > >> [Non-text portions of this message have been removed]
> > > >>
> > > > >
> > > > >
> > > > >
> > > > > ------------------------------------
> > > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > NOT permitted.
> > > > > Any statements in ANY post that may be construed as inflamatory
> > MAY be cause for suspension. Moderators WILL have final say in these
> > matters.
> > > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
> > > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > Yahoo! Groups Links
> > > > >
> > > > >
> > > > >
> > > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> > >
> >
> [Non-text portions of this message have been removed]
>
> _____ Information from ESET NOD32 Antivirus, version of virus
> signature database 6602 (20111104) _____

>
> The message was checked by ESET NOD32 Antivirus.
>
> part000.txt - is OK
> part001.htm - is OK
>
> http://www.eset.com
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6602 (20111104) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK
part001.htm - is OK

http://www.eset.com

[Non-text portions of this message have been removed]

20425. Dipole center conductor

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 14:02:51 UTC
From: Dale H. Cole K8TS
Topic: 20425 Message: 20425

Has anyone had any experince with either the MFJ-16b01 or MFJ-16go1? Wwhat was you experience?

Dale K8TS

[Non-text portions of this message have been removed]

20426. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 14:30:09 UTC
From: Joe
Topic: 20196 Message: 20426

This all sounds good and all that. but i see one Loophole on their part. Here is the ord again,

(3) Amateur radio. This ordinance shall not govern the installation of any tower or antenna support structure that is owned and/or operated by a federally licensed amateur radio operator, that is less than 75 feet in height and is placed at a distance equal to or more than one and one-half the height of the tower from any adjacent property line.

No where are they saying anything about stopping me from putting up a 75 foot or less height of tower. But what i see is crazy is the 1.5 height vs distance from any property line. like a tower can jump 1.5 it's height so it can fall outside the property.

In the USA a typical suburban "Lot" (wiki referenced) is 85 feet wide and 115 feet deep. With this ord even if someone was to put the tower in the dead center of the property, the max tower one could put up is only a little over 26 feet tall!! What a Joke!

But I can see their loophole. All thay would have to say to this restriction is, well you can put up a 75 foot tall one without getting our permission,, all you haveto do is buy a lot of land somewhere so it fits in with the 1.5 the height format! you would have to have a lot that was over 220 seet on a side more than an acre.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 11/5/2011 6:08 AM, Peter Ackermann wrote:
> It's not about the tower. It's about the ability to use it.
> Tower ordinances and alike are most likely a matter of aesthetics ans
> safe installations.
> PRB-1 and Part 25, sec104 is about the right the the licencee to utilize
> his/her installations over and beyond the authority of governmental
> bodies below the Federal Communication Commission. And therefore, it is
> my right to access the airwaves under the 1st amendment with the license
> privileges issued to me by the FCC.
> Now, one can jam it down their throats or spoon feed it gently.
>
> On 11/5/2011 5:49 AM, James E. Wells (KDØAJZ) wrote:
>> While the PRB-1 is a law about Amateur Radio and being able to use
>> them without restrictions by lower government officials.
>> The First Amendment of the Constitution has nothing to do with this.

>> Putting up a tower and Freedom of Speech are two separate issues.
>> Not unless you are talking about “petition the Government for a
>> redress of grievances.”
>> That might have something to do with it but I really doubt it.
>>
>> Just a Thought.
>>
>> From: Peter Ackermann
>> Sent: Friday, November 04, 2011 11:53 PM
>> To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
>> Subject: Re: [ham-antennas] Re: Tower Ordinance
>>
>> When you present PRB-1 to whomever, always, always, always be nice
>> about it!
>> They are not aware of PRB-1 and they will probably have a hissy fit. But
>> PRB-1 was created
>> to protect your First Amendment Right to use Amateur Radio.
>>
>> On 11/4/2011 11:44 AM, urei wrote:
>>> Joe, Google PRB-1. Lots of info to be had.
>>>
>>> --- In mailto:ham-antennas%40yahoogroups.com
>>> <mailto:ham-antennas%40yahoogroups.com>, Joe<nss@...> wrote:
>>>> Paul can you show me how that is true?
>>>>
>>>> Joe WB9SBD
>>>>
>>>> The Original Rolling Ball Clock
>>>> Idle Tyme
>>>> Idle-Tyme.com
>>>> http://www.idle-tyme.com
>>>>
>>>> On 11/3/2011 8:24 PM, Paul wrote:
>>>>> That ordinance has been preempted by PRB-1.
>>>>>
>>>>> Paul - K9ERG
>>>>>
>>>>> --- In mailto:ham-antennas%40yahoogroups.com
>>> <mailto:ham-antennas%40yahoogroups.com>, Joe<nss@> wrote:
>>>>>> Going through the local tower ordnance it states the below. What
>>> do you
>>>>>> all think it means/
>>>>>>
>>>>>>
>>>>>> (3) Amateur radio. This ordinance
>>>>>> shall not govern the installation of any tower or
>>>>>> antenna support structure that is owned and/or
>>>>>> operated by a federally licensed amateur radio
>>>>>> operator, that is less than 75 feet in height and is
>>>>>> placed at a distance equal to or more than one and

>>>>>> one-half the height of the tower from any adjacent
>>>>>> property line.
>>>>>>
>>>>>> Joe WB9SBD
>>>>>> --
>>>>>>
>>>>>> The Original Rolling Ball Clock
>>>>>> Idle Tyme
>>>>>> Idle-Tyme.com
>>>>>> http://www.idle-tyme.com
>>>>>>
>>>>>>
>>>>>> [Non-text portions of this message have been removed]
>>>>>>
>>>>>
>>>>>
>>>>> ------------------------------------
>>>>>
>>>>> HAM ANTENNAS Anything and everything, tell us or ask questions.
>>> Replies go to ALL 2752 members (as of 10/30/11). and attachments are
>>> NOT permitted.
>>>>> Any statements in ANY post that may be construed as inflamatory
>>> MAY be cause for suspension. Moderators WILL have final say in these
>>> matters.
>>>>> Post message: mailto:ham-antennas%40yahoogroups.com
>>> <mailto:ham-antennas%40yahoogroups.com>
>>>>> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>>> <mailto:ham-antennas-subscribe%40yahoogroups.com>
>>>>> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>>> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
>>>>> List owner: mailto:ham-antennas-owner%40yahoogroups.com
>>> <mailto:ham-antennas-owner%40yahoogroups.com>
>>>>> Yahoo! Groups Links
>>>>>
>>>>>
>>>>>
>>>>>
>>>>
>>>> [Non-text portions of this message have been removed]
>>>>
>>>
>> [Non-text portions of this message have been removed]
>>
>> __________ Information from ESET NOD32 Antivirus, version of virus
>> signature database 6602 (20111104) __________
>>
>> The message was checked by ESET NOD32 Antivirus.
>>
>> part000.txt - is OK
>> part001.htm - is OK

>>
>> http://www.eset.com
>>
>> [Non-text portions of this message have been removed]
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

20427. RE: [ham-antennas] Dipole center conductor

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 17:03:01 UTC
From: Richard Schmuke
Topic: 20425 Message: 20427

I have not had any experience with store bought centers but a piece of scrap plastic and a SO-239 you can make your own, I then added split bolts so the wire can be changed without unsoldering and resoldering. All this can be done for less than half price of store bought.

http://i1102.photobucket.com/albums/g453/KD0ZZ/QuickChangeDipole008.jpg

Other ideas at http://s1102.photobucket.com/albums/g453/KD0ZZ/

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dale H. Cole K8TS
Sent: Saturday, November 05, 2011 9:03 AM
To: Ham Antennas
Subject: [ham-antennas] Dipole center conductor

Has anyone had any experince with either the MFJ-16b01 or MFJ-16go1? Wwhat was you experience?

Dale K8TS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20428. Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 17:32:38 UTC
From: kc2axu
Topic: 20196 Message: 20428

Although the Constitution was written during the forming of our Nation, the freedom of speech could be construed to include amateur radio as a form od speech in that it allows us to talk around the world. The freedom of speech doesn't end just because a new form of transmitting that speech has been developed, Freedo to apply that speech is to EVERY FORM.... So it could include such things as towers which enables the ability to use this particular method of transmitting speech....

--- In ham-antennas@yahoogroups.com, James E. Wells (KDÃ□AJZ) <kd0ajz@...> wrote:
>
> Youâ□□ll never get the First Amendment on the plate if you take it to court. The First Amendment has nothing to do with your tower or the Use of the Tower for Amateur Radio.
> The first Amendment is about Freedom of Speech, Religious rights and Grievances. I see nothing there that says â□□Use this for Amateur Radio.â□□
> The FCC LAW is what gives you the right. Not the Constitution. Until the law was written you would not have a leg to sand on.
>
> Amendment I
>
> Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances.
>
> Donâ□□t see anything here about Amateur Radio.
>
> Now it does give you the right to speak your opinion and that the Government does not have the right to Establish a Religion and they do not have the right to keep you from practicing your religion.. It also gives you the right to assemble peacefully and that you have the right to Petition the Government with any grievances that you have against the Government.
>
> I for the life of me can see nothing here that protects your rights about your Amateur Radio
>
>
>
> Again just a thought
>
>

20429. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 18:18:21 UTC
From: James E. Wells (KDØAJZ)
Topic: 20196 Message: 20429

I am sorry but the Constitution would never be a way to back up your claim. Just won't hold water. You don't need a tower to talk on a Ham Radio. Hence you still can practice your so called Free Speech. However you are still very limited depending on how close you live to an Airport. In that case the Freedom Of Speech won't even keep up with your claim.
While the First Amendment does protect your right to Freedom of Speech the Rules of Amateur Radio limits your Freedom of Speech by what you may say while you are broadcasting. There are certain things you can and can not do. But that is beside the point. The First Amendment has never been successfully used to establish someone's right to put up a tower or antenna. You could try but I am really afraid you would get laughed out of the courtroom. You might get a nice try. But that would be about all. If the first amendment protected your right to the tower then the law written by the FCC would not be necessary. So there again you shoot the first amendment down. Nice try.

Just a Thought

From: kc2axu
Sent: Saturday, November 05, 2011 12:32 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Tower Ordinance

Although the Constitution was written during the forming of our Nation, the freedom of speech could be construed to include amateur radio as a form od speech in that it allows us to talk around the world. The freedom of speech doesn't end just because a new form of transmitting that speech has been developed, Freedo to apply that speech is to EVERY FORM.... So it could include such things as towers which enables the ability to use this particular method of transmitting speech....

--- In mailto:ham-antennas%40yahoogroups.com, James E. Wells (KDÃ□AJZ) <kd0ajz@...> wrote:
>
> Youâ□□ll never get the First Amendment on the plate if you take it to court. The First Amendment has nothing to do with your tower or the Use of the Tower for Amateur Radio.
> The first Amendment is about Freedom of Speech, Religious rights and Grievances. I see nothing there that says â□□Use this for Amateur Radio.â□□
> The FCC LAW is what gives you the right. Not the Constitution. Until the law was written you would not have a leg to sand on.
>
> Amendment I
>
> Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances.
>
> Donâ□□t see anything here about Amateur Radio.
>
> Now it does give you the right to speak your opinion and that the Government does not have the right to Establish a

Religion and they do not have the right to keep you from practicing your religion.. It also gives you the right to assemble peacefully and that you have the right to Petition the Government with any grievances that you have against the Government.

>

> I for the life of me can see nothing here that protects your rights about your Amateur Radio

>

>

>

> Again just a thought

>

>

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6604 (20111105) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK
part001.htm - is OK

http://www.eset.com

[Non-text portions of this message have been removed]

20430. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 18:35:58 UTC
From: James E. Wells (KDØAJZ)
Topic: 20196 Message: 20430

I now really thing that we should go on to other things. We have beat this horse to death so to speak. Nice subject and it would be nice if it were that easy but it never seems to be. You would think that by now all States and Local Governments would know about this law. I can see that maybe a Bunch of People with a Housing Authority or whatever might not know about this but it seems that somewhere in there a lawyer had to be in there somewhere or the things they restrict residents would be struck down as the are not City Ordinances. Which it seems a lot of Cities don't even know about the Law. I think maybe someone should start sending this out to all the different cities (I know that is a lot but it could stop a lot of this stuff happening and then it would be a no brainer) so that they know that you can't do this.

Again. It is just a Though.

From: James E. Wells (KDØAJZ)
Sent: Saturday, November 05, 2011 1:18 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Tower Ordinance

I am sorry but the Constitution would never be a way to back up your claim. Just won't hold water. You don't need a tower to talk on a Ham Radio. Hence you still can practice your so called Free Speech. However you are still very limited depending on how close you live to an Airport. In that case the Freedom Of Speech won't even keep up with your claim. While the First Amendment does protect your right to Freedom of Speech the Rules of Amateur Radio limits your Freedom of Speech by what you may say while you are broadcasting. There are certain things you can and can not do. But that is beside the point. The First Amendment has never been successfully used to establish someone's right to put up a tower or antenna. You could try but I am really afraid you would get laughed out of the courtroom. You might get a nice try. But that would be about all. If the first amendment protected your right to the tower then the law written by the FCC would not be necessary. So there again you shoot the first amendment down. Nice try.

Just a Thought

From: kc2axu
Sent: Saturday, November 05, 2011 12:32 PM
To: mailto:ham-antennas%40yahoogroups.com
Subject: [ham-antennas] Re: Tower Ordinance

Although the Constitution was written during the forming of our Nation, the freedom of speech could be construed to include amateur radio as a form od speech in that it allows us to talk around the world. The freedom of speech doesn't end just because a new form of transmitting that speech has been developed, Freedo to apply that speech is to EVERY FORM.... So it could include such things as towers which enables the ability to use this particular method of transmitting speech....

--- In mailto:ham-antennas%40yahoogroups.com, James E. Wells (KDÃ□AJZ) <kd0ajz@...> wrote:
>

> Youâ□□ll never get the First Amendment on the plate if you take it to court. The First Amendment has nothing to do with your tower or the Use of the Tower for Amateur Radio.
> The first Amendment is about Freedom of Speech, Religious rights and Grievances. I see nothing there that says â□□Use this for Amateur Radio.â□□
> The FCC LAW is what gives you the right. Not the Constitution. Until the law was written you would not have a leg to sand on.
>
> Amendment I
>
> Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances.
>
> Donâ□□t see anything here about Amateur Radio.
>
> Now it does give you the right to speak your opinion and that the Government does not have the right to Establish a Religion and they do not have the right to keep you from practicing your religion.. It also gives you the right to assemble peacefully and that you have the right to Petition the Government with any grievances that you have against the Government.
>
> I for the life of me can see nothing here that protects your rights about your Amateur Radio
>
>
>
> Again just a thought
>
>

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6604 (20111105) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK
part001.htm - is OK

http://www.eset.com

[Non-text portions of this message have been removed]

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6604 (20111105) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK
part001.htm - is OK

http://www.eset.com

[Non-text portions of this message have been removed]

20431. Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 20:09:40 UTC
From: AB2ZY
Topic: 20196 Message: 20431

What the ordinance does is set the parameters whereby you do not need a special use permit. You can go to the building department and they must issue you a building permit as long as the project is within the limits set forth in the ordinance.

The limit of 1.5 times the height is physics defying, but quite predictable as an imagined safety margin when an ordinance is written by non engineers. You can apply for a zoning variance or a special use permit, which would be similar to what you would have to do to build, say, a structure outside the setback limits.

If I were on the ZBA, I would not look kindly on a proposal to build a tower whose height is such that it could fall on a neighbors _occupied_ structure. Simply falling on anothers property or unoccupied structure, e.g. a garden shed, could be addressed with appropriate insurance.

If you're going to go down this road, purchasing Fred Hopengartens's book is a prerequisite: http://www.amazon.com/Antenna-Zoning-Amateur-Fred-Hopengarten/dp/0872598217

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> This all sounds good and all that. but i see one Loophole on their
> part. Here is the ord again,
>
> (3) Amateur radio. This ordinance
> shall not govern the installation of any tower or
> antenna support structure that is owned and/or
> operated by a federally licensed amateur radio
> operator, that is less than 75 feet in height and is
> placed at a distance equal to or more than one and
> one-half the height of the tower from any adjacent
> property line.
>
> No where are they saying anything about stopping me from putting up a 75 foot or less height of tower. But what i see is crazy is the 1.5 height vs distance from any property line. like a tower can jump 1.5 it's height so it can fall outside the property.
>
> In the USA a typical suburban "Lot" (wiki referenced) is 85 feet wide and 115 feet deep. With this ord even if someone was to put the tower in the dead center of the property, the max tower one could put up is only a little over 26 feet tall!! What a Joke!
>
> But I can see their loophole. All thay would have to say to this restriction is, well you can put up a 75 foot tall one without getting our permission,, all you haveto do is buy a lot of land somewhere so it fits in with the 1.5 the height format! you would have to have a lot that was over 220 seet on a side more than an acre.

>
> Joe WB9SBD
>
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>

20432. Re: Fish rod blanks

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 20:21:43 UTC
From: tivoligardens@yahoo.com
Topic: 20354 Message: 20432

Have you ever tried the black widow fishing pole ?

w4hal hal

--- In ham-antennas@yahoogroups.com, "jim burns" <jfburns@...> wrote:
>
> Check out Tractor Supply. I bought electric fence poles which are gray
> fiberglass rods about 3' long and approx. 3/8" diameter and they were very
> reasonable at a little over $1.00 each.
>
> Also, Farm Tek has different sizes of similar poles in their catalog.
>
> Jim, WB4ILP
>
> _____
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Memwl
> Sent: Sunday, October 30, 2011 8:09 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Fish rod blanks
>
>
>
>
>
>
>
> Meaning Fiberglass poles? If that is what you mean I would be curious to
> know also
> when you find out
> Please post, Thanks
> 73
> ke7sbe
>
> >_____
> >From: Mike Rodgers <mikerodgerske5gbc@...
> <mailto:mikerodgerske5gbc%40yahoo.com> >
> >To: HamAntennas <ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> >
> >Sent: Saturday, October 29, 2011 10:54 PM
> >Subject: [ham-antennas] Fish rod blanks
> >
> >
> >
> >Anyone have a source for fishing rod blanks in the USA ?
> >

> >Thanks
> >Mike R
> >
> >Sent from my spy ring
> >
> >Amateur/Ham Radio KE5GBC
> >HF & Echolink
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20433. Re: [ham-antennas] Re: Tower Ordinance

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 20:41:14 UTC
From: Peter Ackermann
Topic: 20196 Message: 20433

http://www.arrl.org/shop/Antenna-Zoning-for-the-Radio-Amateur/

On 11/5/2011 4:09 PM, AB2ZY wrote:
>
> What the ordinance does is set the parameters whereby you do not need
> a special use permit. You can go to the building department and they
> must issue you a building permit as long as the project is within the
> limits set forth in the ordinance.
>
> The limit of 1.5 times the height is physics defying, but quite
> predictable as an imagined safety margin when an ordinance is written
> by non engineers. You can apply for a zoning variance or a special use
> permit, which would be similar to what you would have to do to build,
> say, a structure outside the setback limits.
>
> If I were on the ZBA, I would not look kindly on a proposal to build a
> tower whose height is such that it could fall on a neighbors
> _occupied_ structure. Simply falling on anothers property or
> unoccupied structure, e.g. a garden shed, could be addressed with
> appropriate insurance.
>
> If you're going to go down this road, purchasing Fred Hopengartens's
> book is a prerequisite:
> http://www.amazon.com/Antenna-Zoning-Amateur-Fred-Hopengarten/dp/0872598217
>
> Al
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Joe <nss@...> wrote:
> >
> > This all sounds good and all that. but i see one Loophole on their
> > part. Here is the ord again,
> >
> > (3) Amateur radio. This ordinance
> > shall not govern the installation of any tower or
> > antenna support structure that is owned and/or
> > operated by a federally licensed amateur radio
> > operator, that is less than 75 feet in height and is
> > placed at a distance equal to or more than one and
> > one-half the height of the tower from any adjacent
> > property line.
> >
> > No where are they saying anything about stopping me from putting up
> > a 75 foot or less height of tower. But what i see is crazy is the 1.5

> height vs distance from any property line. like a tower can jump 1.5
> it's height so it can fall outside the property.
> >
> > In the USA a typical suburban "Lot" (wiki referenced) is 85 feet
> wide and 115 feet deep. With this ord even if someone was to put the
> tower in the dead center of the property, the max tower one could put
> up is only a little over 26 feet tall!! What a Joke!
> >
> > But I can see their loophole. All thay would have to say to this
> restriction is, well you can put up a 75 foot tall one without getting
> our permission,, all you haveto do is buy a lot of land somewhere so
> it fits in with the 1.5 the height format! you would have to have a
> lot that was over 220 seet on a side more than an acre.
> >
> > Joe WB9SBD
> >
> >
> >
> > The Original Rolling Ball Clock
> > Idle Tyme
> > Idle-Tyme.com
> > http://www.idle-tyme.com
> >
>
>

[Non-text portions of this message have been removed]

20435. Re: [ham-antennas] Push up pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 21:37:21 UTC
From: Ron Youvan
Topic: 20434 Message: 20435

KE5EOT wrote:

> I have a 30' three section pole (standard TV type) that I'll be putting
> up to hold a dipole. Are they strong enough to raise by just walking it
> up and then securing the guy wires, or do I need to use the guy wires
> (ropes actually) to raise it? Once it's up, does it need more that one
> set of guys at the top? It'll be secured to the house at about 8 feet.

A 30' three section pushup pole (28 feet) can be raised by as many people it takes to lift the
weight of what all is mounted on the pole. If there's just a pulley and rope one normal person can
do it alone, it may take a second person (or a clamp) to hold the pole vertical while you go up the
step ladder and slide up the inner (third) section and secure it to the top of the second (center)
section (with it's pin) and then to raise up that section (and the section above it) and secure it
with it's pin.
The pins are in a bag in the bottom of the bottom section.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20437. Re: [ham-antennas] Push up pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 22:16:57 UTC
From: Ron Youvan
Topic: 20434 Message: 20437

KE5EOT wrote:

> Thanks, I'm hoping to extend it and then raise it since there will be no
> weight. The dipole will be added later after the pole is up. I'm
> mounting pulleys so it can be raised and lowered for maintenance and
> general tinkering.

Go ahead and break new ground, and tell us how that turns out.
That's not how they are normally installed.
All it takes is one pulley and possibly a cleat.

http://en.wikipedia.org/wiki/File:Tied_cleat.jpg
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20438. "Miracle Antenna MMD" dipole for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 22:35:54 UTC
From: Neil
Topic: 20438 Message: 20438

I have a new "Miracle Antenna Mixed Mode Dipole", 40 meters for sale. Used it for 4 days but I found that since my homeowners association required me to hide the antenna just 4 feet off the ground I was limited in DX. Worked perfectly for contacts here on the west coast.

The product web site is:
http://miracleantenna.com/shop-products/shortwave/52-miracle-mixed-mode-dipole

Also check the reviews on eham.net at:
http://www.eham.net/reviews/detail/9006

New antenna costs $130 + shipping. I will sell it for $100 shipped by priority mail, (or best offer).

20439. Re: Hex Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-05 23:40:56 UTC
From: James
Topic: 20409 Message: 20439

Hi N5DRG....

If your interested in hexbeams, join the yahoo hexbeam group. Very active and full of people building, using, modeling, and developing hexbeams. I'm working on one, but won't have it running and up until next Spring... too much else to do right now. Cold weather and snow will soon close my project for the next 4 months.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "n5drgdanny" <jhoonbee@...> wrote:
>
> Looking for instructions on building Hex Beam Antenna that could be set up in the field for such purposes as Field Day, or other emergency operations.
> Basicly a three band HF type.
> 1. Where can I find the parts, design, ect.
> plus any personal information on this type of antenna that you may have built.
>
> Thanks,
> de N5DRG
>

20440. Re: "Miracle Antenna MMD" dipole for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-06 00:23:50 UTC
From: pchapman920
Topic: 20438 Message: 20440

Go ahead and show the HOA that you can be compliant. Mount it two feet off the ground. Fire up a kw linear and your keyer and let them use it for a limbo line. The new and improved Herky Jerkie Limbo Dance. There are too many HOA's with Presidents named Moe and officers named Ron.

--- In ham-antennas@yahoogroups.com, "Neil" <kj6fba@...> wrote:
>
> I have a new "Miracle Antenna Mixed Mode Dipole", 40 meters for sale. Used it for 4 days but I found that since my homeowners association required me to hide the antenna just 4 feet off the ground I was limited in DX. Worked perfectly for contacts here on the west coast.
>
> The product web site is:
> http://miracleantenna.com/shop-products/shortwave/52-miracle-mixed-mode-dipole
>
> Also check the reviews on eham.net at:
> http://www.eham.net/reviews/detail/9006
>
> New antenna costs $130 + shipping. I will sell it for $100 shipped by priority mail, (or best offer).
>

20441. Re: "Miracle Antenna MMD" dipole for sale

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-06 01:22:15 UTC
From: Neil
Topic: 20438 Message: 20441

Antenna has been sold

Neil BELL
kj6fba

--- In ham-antennas@...m, "Neil" <kj6fba@...> wrote:
>
> I have a new "Miracle Antenna Mixed Mode Dipole", 40 meters for sale. Used it for 4 days but I found that since my homeowners association required me to hide the antenna just 4 feet off the ground I was limited in DX. Worked perfectly for contacts here on the west coast.
>
> The product web site is:
> http://miracleantenna.com/shop-products/shortwave/52-miracle-mixed-mode-dipole
>
> Also check the reviews on eham.net at:
> http://www.eham.net/reviews/detail/9006
>
> New antenna costs $130 + shipping. I will sell it for $100 shipped by priority mail, (or best offer).
>

20443. jpole using telecoping antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-07 01:49:49 UTC
From: tivoligardens@yahoo.com
Topic: 20443 Message: 20443

I have an old lafayette cb which has an antenna which is over 58 inches and a pair for rabbit ear tv antennas. Can I use one of the ear and the cb antenna to make a 2m jpole ?

Thanks
Hal w4hal

20444. Re: jpole using telecoping antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-07 02:39:13 UTC
From: Wayne Leake
Topic: 20443 Message: 20444

It is possible, depending on how you use it
Now, if the CB antenna has a loading coil of any kind, it then
becaomes a problem.

57.70 inches would be the length for the taller element, and 19.33
for the shorter element. One would be grounded to a bar or angle iron,
the other fed direct from the center of the coaxial cable with the
shield conencting to the bar, which can be clamped to a mast.
The J Pole is basically a half wave zepp with a 1/4 wave feedline.
Or, you could use both element on the rabbit ears, one set for one
quarter wave length and the other for the 3/4 wave element, with
spacing between them of 1 to about 3", depeding
One drawback I see it maintaining the proper length of the elements,
and another is in mounting.
You need to figure out these factors.

Good luck

Wayne WA2YNE

20445. Re: jpole using telecoping antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-07 07:03:41 UTC
From: Paul
Topic: 20443 Message: 20445

See my photos at:

http://groups.yahoo.com/group/ham-antennas/photos/album/754766111/pic/list

Use (285 X .75)/f for the long pipe.

Use (285 X .25)/f for the short pipe.

Remember the "zero Ohms" point is at the center of the short.

There have been many attempts to eliminate the need for a balun but NONE of them work.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, Wayne Leake <wa2yne@...> wrote:
>
> It is possible, depending on how you use it
> Now, if the CB antenna has a loading coil of any kind, it then
> becaomes a problem.
>
> 57.70 inches would be the length for the taller element, and 19.33
> for the shorter element. One would be grounded to a bar or angle iron,
> the other fed direct from the center of the coaxial cable with the
> shield conencting to the bar, which can be clamped to a mast.
> The J Pole is basically a half wave zepp with a 1/4 wave feedline.
> Or, you could use both element on the rabbit ears, one set for one
> quarter wave length and the other for the 3/4 wave element, with
> spacing between them of 1 to about 3", depeding
> One drawback I see it maintaining the proper length of the elements,
> and another is in mounting.
> You need to figure out these factors.
>
> Good luck
>
> Wayne WA2YNE
>

20446. Re: jpole using telecoping antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-07 07:06:30 UTC
From: Paul
Topic: 20443 Message: 20446

I almost forgot... the resulting dimensions are metric.

Paul

--- In ham-antennas@yahoogroups.com, "Paul" <camper.paul@...> wrote:
>
> See my photos at:
>
> http://groups.yahoo.com/group/ham-antennas/photos/album/754766111/pic/list
>
> Use (285 X .75)/f for the long pipe.
>
> Use (285 X .25)/f for the short pipe.
>
> Remember the "zero Ohms" point is at the center of the short.
>
> There have been many attempts to eliminate the need for a balun but NONE of them work.
>
> Paul - K9ERG
>
> --- In ham-antennas@yahoogroups.com, Wayne Leake <wa2yne@> wrote:
> >
> > It is possible, depending on how you use it
> > Now, if the CB antenna has a loading coil of any kind, it then
> > becaomes a problem.
> >
> > 57.70 inches would be the length for the taller element, and 19.33
> > for the shorter element. One would be grounded to a bar or angle iron,
> > the other fed direct from the center of the coaxial cable with the
> > shield conencting to the bar, which can be clamped to a mast.
> > The J Pole is basically a half wave zepp with a 1/4 wave feedline.
> > Or, you could use both element on the rabbit ears, one set for one
> > quarter wave length and the other for the 3/4 wave element, with
> > spacing between them of 1 to about 3", depeding
> > One drawback I see it maintaining the proper length of the elements,
> > and another is in mounting.
> > You need to figure out these factors.
> >
> > Good luck
> >
> > Wayne WA2YNE
> >
>

20447. Re: [ham-antennas] Re: Hex Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-07 15:21:29 UTC
From: Danny Goodrum
Topic: 20409 Message: 20447

Cold weather, Snow???? oh yeah that the white fluffy stuff I have seen on TV.
Yes I would like to see the Hex Beam in photos once you have it built and I will join in on the yahoo group.
Thx
DG

From: James <k9jfk@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 5, 2011 6:40 PM
Subject: [ham-antennas] Re: Hex Beam

Hi N5DRG....

If your interested in hexbeams, join the yahoo hexbeam group. Very active and full of people building, using, modeling, and developing hexbeams. I'm working on one, but won't have it running and up until next Spring... too much else to do right now. Cold weather and snow will soon close my project for the next 4 months.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "n5drgdanny" <jhoonbee@...> wrote:
>
> Looking for instructions on building Hex Beam Antenna that could be set up in the field for such purposes as Field Day, or other emergency operations.
> Basicly a three band HF type.
> 1. Where can I find the parts, design, ect.
> plus any personal information on this type of antenna that you may have built.
>
> Thanks,
> de N5DRG
>

[Non-text portions of this message have been removed]

20449. Re: jpole using telecoping antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-07 16:51:36 UTC
From: K6LCS
Topic: 20443 Message: 20449

>> ... Can I use one of the ear and the cb antenna to make a 2m jpole ?

Plans/dimensions for 2M J-poles are all over the 'Net.

But also think about some REAL gain ... Building a tape measure beam, for instance, will greatly out-perform any 2M J-pole!

Or - Have a old umbrella in your front closet? I have plans for making a Yagi out of it ...

These and other simple antenna projects n the ANTENNAS page at ...

http://www.work-sat.com

Clint, K6LCS
909-241-7666

20450. Re: jpole using telecoping antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-07 21:20:33 UTC
From: tivoligardens@yahoo.com
Topic: 20443 Message: 20450

I love it an antenna form a busted umbrella.. I love it.. my kind of hacks..

Hal w4hal

--- In ham-antennas@yahoogroups.com, "K6LCS" <clint@...> wrote:
>
> >> ... Can I use one of the ear and the cb antenna to make a 2m jpole ?
>
> Plans/dimensions for 2M J-poles are all over the 'Net.
>
> But also think about some REAL gain ... Building a tape measure beam, for
> instance, will greatly out-perform any 2M J-pole!
>
> Or - Have a old umbrella in your front closet? I have plans for making a Yagi
> out of it ...
>
> These and other simple antenna projects n the ANTENNAS page at ...
>
> http://www.work-sat.com
>
> Clint, K6LCS
> 909-241-7666
>

20451. PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 05:37:59 UTC
From: pchapman920
Topic: 20451 Message: 20451

With a number of new members etc and maybe some new hams who do not know yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain (Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care, nickel plates can not hold a candle to the bond you get with a silver plate connector.

Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an undercoat, then top with electrical tape etc....great suggestion for antennas that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.

20452. Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 16:21:57 UTC
From: fred
Topic: 20451 Message: 20452

I have never had a problem soldering to the nickle plate ones , just takes heat and the right flux , the hard part is not melting the centre insulation . just for kicks one day I put one together with RG8 and prepared the coax in the usual way and left the outer insulation a bit long and screwed it into the connector and did not solder it (I know what some are going to say) I hope it does not stir up a hornets nest . anyway I just solder the centre conductor to the pin and assemble it . have not had any problems with them yet , been doing it for 5 years now . I do the same with the RG8X , fold the braid back over the reducer and run it in tight , no solder .
kd5pnt

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> With a number of new members etc and maybe some new hams who do not know yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain (Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care, nickel plates can not hold a candle to the bond you get with a silver plate connector.
>
> Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an undercoat, then top with electrical tape etc....great suggestion for antennas that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.
>

20453. Re: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 16:36:17 UTC
From: Ed Vignati
Topic: 20451 Message: 20453

I do use Silver but if I get a good deal on Nickle Plated I use a Dremal to rough up the surface, removes the Nickle Plating easy, using a small grinding stone, a brass color appears, solders real good and solder as usual no high heat needed.

Ed kj4fgi

--- On Tue, 11/8/11, fred <radiomanl@verizon.net> wrote:

From: fred <radiomanl@...>
Subject: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal
To: ham-antennas@yahoogroups.com
Date: Tuesday, November 8, 2011, 4:21 PM

I have never had a problem soldering to the nickle plate ones , just takes heat and the right flux , the hard part is not melting the centre insulation . just for kicks one day I put one together with RG8 and prepared the coax in the usual way and left the outer insulation a bit long and screwed it into the connector and did not solder it (I know what some are going to say) I hope it does not stir up a hornets nest . anyway I just solder the centre conductor to the pin and assemble it . have not had any problems with them yet , been doing it for 5 years now . I do the same with the RG8X , fold the braid back over the reducer and run it in tight , no solder .

kd5pnt

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:

>

> With a number of new members etc and maybe some new hams who do not know yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain (Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care, nickel plates can not hold a candle to the bond you get with a silver plate connector.

>

> Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an undercoat, then top with electrical tape etc....great suggestion for antennas that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.

>

[Non-text portions of this message have been removed]

20454. Re: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 17:05:21 UTC
From: VE3FAL-Fred
Topic: 20451 Message: 20454

I do the same, use a small square file and rough up the holes and good to go after that, and I do fold the shield over the reducer then solder.

Fred
YouKits Canada Rep.
http://www.youkits.com
CIW649/VE3FAL
CFARS Member
SATERN Member
SATERN Amateur Radio Liaison Officer Great Lakes Region
http://www.satern.org
DEC Amethyst District ARES
http://www.thunderbay.emergencyradio.ca/

On Tue, 8 Nov 2011 08:36:17 -0800 (PST)
Ed Vignati <kj4fgi@...> wrote:
I do use Silver but if I get a good deal on Nickle Plated I use a Dremal to
rough up the surface, removes the Nickle Plating easy, using a small grinding
stone, a brass color appears, solders real good and solder as usual no high heat needed.

Ed kj4fgi

--- On Tue, 11/8/11, fred <radiomanl@...> wrote:

From: fred <radiomanl@...>
Subject: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal
To: ham-antennas@yahoogroups.com
Date: Tuesday, November 8, 2011, 4:21 PM

I have never had a problem soldering to the nickle plate ones , just takes heat and the right flux , the hard part is not melting the centre insulation . just for kicks one day I put one together with RG8 and prepared
the coax in the usual way and left the outer insulation a bit long and screwed
it into the connector and did not solder it (I know what some are going to say) I hope it does not stir up a hornets nest . anyway I just solder the centre conductor to the pin and assemble it . have not had any problems with them yet , been doing it for 5 years now . I do the same with the RG8X , fold
the braid back over the reducer and run it in tight , no solder .

kd5pnt

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:

>

> With a number of new members etc and maybe some new hams who do not know yet,
>just thought I would pass this along. Do not buy just any 259 to build your
>antennas. Always get silver plated parts, which are hard to find at a local
>store that sells said parts. I do not know why, as they can be found pretty
>reasonable at Hamfests and online. Hamfest prices at the Stone Mountain
>(Atlanta Area) Hamfest this past weekend for silver plates with Teflon
>interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to
>$5.50 for 10 or more......about $2.50 each. Even with extreme clean and care,
>nickel plates can not hold a candle to the bond you get with a silver plate
>connector.

>

> Just thought I would also repeat a tip from someone here. If using coax
>sealer or tape etc.....someone here suggested using teflon plumbing tape as an
>undercoat, then top with electrical tape etc....great suggestion for antennas
>that have to go up and down, like here. No goo to fool with and great easy
>adhesion with the silver plating.

>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to
ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be
cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20455. RE: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 17:06:05 UTC
From: Richard Schmuke
Topic: 20451 Message: 20455

Let me add a note to Fred's idea. When working with a coax fitting I often slip a mating fitting on it to act as heat sink and/or a help holding the center pin in location. I find this almost a necessity when making a SO-239 into a antenna 1/4wl 2m antenna. See http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00811.jpg

Rich, Kd0zz

I have never had a problem soldering to the nickle plate ones , just takes heat and the right flux , the hard part is not melting the centre insulation . just for kicks one day I put one together with RG8 and prepared the coax in the usual way and left the outer insulation a bit long and screwed it into the connector and did not solder it (I know what some are going to say) I hope it does not stir up a hornets nest . anyway I just solder the centre conductor to the pin and assemble it . have not had any problems with them yet , been doing it for 5 years now . I do the same with the RG8X , fold the braid back over the reducer and run it in tight , no solder . kd5pnt

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "pchapman920" <p_chap@...> wrote:
>
> With a number of new members etc and maybe some new hams who do not know yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain (Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care, nickel plates can not hold a candle to the bond you get with a silver plate connector.
>
> Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an undercoat, then top with electrical tape etc....great suggestion for antennas that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.
>

[Non-text portions of this message have been removed]

20456. Re: Hex Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 17:46:34 UTC
From: James
Topic: 20409 Message: 20456

Hi Danny...

There are two types of hexbeams. The first is called "Classic", developed by Mike Traffie back about 10 years ago... both the driven and reflector elements have the "W" shape.

Along came cheap and powerful modeling programs....the broadband HEX was developed through modeling by Steve, G3TXQ. The advantage of the "broadband" is better swr at the band edges. The shape of the driven element is still the "W", but the shape of the reflector is a "U". All of the G3TXQ broadband information has been published on his site at... http://karinya.net/g3txq/hexbeam

Both types are good five or six band rotatable antennas; the Broadband version gives you better swr at the edges, but the Classic gives you a smaller footprint. Both can be mounted and turned with a very modest setup because they are light, about 20 pounds, and symmetrical.

There are also some "plug and play" hexbeam versions, but the antenna lends itself to homebrew construction. Besides suppliers for parts, there are also a couple of "kit" versions available.

Most hexbeams cover the 5 bands from 20 to 10m, and maybe 6m, but there have been several 40m/30m versions built. Its doable because they can still be rotated, but you need sturdier equipment.

That about covers the 25 cent tour of the hexbeam, except for the reviews. Check out eham.net.

Jim, K9JFK

--- In ham-a

ntennas@yahoogroups.com, Danny Goodrum <jhoonbee@...> wrote:
>
> Cold weather, Snow???? oh yeah that the white fluffy stuff I have seen on TV.
> Yes I would like to see the Hex Beam in photos once you have it built and I will join in on the yahooÂ group.
> Thx
> DG
>
>
>
> _____
> From: James <k9jfk@...>
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, November 5, 2011 6:40 PM
> Subject: [ham-antennas] Re: Hex Beam
>

>
> Â
>
> Hi N5DRG....
>
> If your interested in hexbeams, join the yahoo hexbeam group. Very active and full of people building, using, modeling, and developing hexbeams. I'm working on one, but won't have it running and up until next Spring... too much else to do right now. Cold weather and snow will soon close my project for the next 4 months.
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com, "n5drgdanny" <jhoonbee@> wrote:
> >
> > Looking for instructions on building Hex Beam Antenna that could be set up in the field for such purposes as Field Day, or other emergency operations.
> > Basicly a three band HF type.
> > 1. Where can I find the parts, design, ect.
> > plus any personal information on this type of antenna that you may have built.
> >
> > Thanks,
> > de N5DRG
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>

20457. Re: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 19:33:02 UTC
From: Chuck Schultz
Topic: 20451 Message: 20457

I was shown this method some 30 plus years ago . I have never had a failure due to this procedure. I never run more than a legal limit however and have been told that if I ever graduate to the higher power I might be required to alter my thinking. I have been using many of the same connectors for years and years. I do some Elmering and do lose some connectors when helping a new Ham get on the air . I guess I am a budget Ham . I also haul home old coax and connectors when I help friends install new Chuck Wq5B
----- Original Message -----
From: fred
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 08, 2011 10:21 AM
Subject: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

I have never had a problem soldering to the nickle plate ones , just takes heat and the right flux , the hard part is not melting the centre insulation . just for kicks one day I put one together with RG8 and prepared the coax in the usual way and left the outer insulation a bit long and screwed it into the connector and did not solder it (I know what some are going to say) I hope it does not stir up a hornets nest . anyway I just solder the centre conductor to the pin and assemble it . have not had any problems with them yet , been doing it for 5 years now . I do the same with the RG8X , fold the braid back over the reducer and run it in tight , no solder .
kd5pnt

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> With a number of new members etc and maybe some new hams who do not know yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain (Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care, nickel plates can not hold a candle to the bond you get with a silver plate connector.
>
> Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an undercoat, then top with electrical tape etc....great suggestion for antennas that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.
>

[Non-text portions of this message have been removed]

20458. Aluminium Project Box For Balun?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 19:35:26 UTC
From: Jim Whitaker
Topic: 20458 Message: 20458

Can you use a nice thick walled aluminium project box to house a torriodial balun?

TNX De N8XYN Jim

20459. Re: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 19:40:12 UTC
From: VE3FAL-Fred
Topic: 20451 Message: 20459

Budget HAM- H.A.M = Haven't Any Money

Fred
YouKits Canada Rep.
http://www.youkits.com
CIW649/VE3FAL
CFARS Member
SATERN Member
SATERN Amateur Radio Liaison Officer Great Lakes Region
http://www.satern.org
DEC Amethyst District ARES
http://www.thunderbay.emergencyradio.ca/

On Tue, 8 Nov 2011 13:33:02 -0600
"Chuck Schultz" <wq5b@...> wrote:
I was shown this method some 30 plus years ago . I have never had a
failure
due to this procedure. I never run more than a legal limit however and
have
been told that if I ever graduate to the higher power I might be required to
alter my thinking. I have been using many of the same connectors for
years
and years. I do some Elmering and do lose some connectors when helping a new
Ham get on the air . I guess I am a budget Ham . I also haul home
old
coax and connectors when I help friends install new Chuck Wq5B
----- Original Message -----
From: fred
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 08, 2011 10:21 AM
Subject: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and
teflon centers + coax seal

I have never had a problem soldering to the nickle plate ones , just
takes
heat and the right flux , the hard part is not melting the centre insulation
.
just for kicks one day I put one together with RG8 and prepared the coax in
the usual way and left the outer insulation a bit long and screwed it into
the
connector and did not solder it (I know what some are going to say) I hope
it does not stir up a hornets nest . anyway I just solder the centre
conductor
to the pin and assemble it . have not had any problems with them yet , been

doing it for 5 years now . I do the same with the RG8X , fold the braid back over the reducer and run it in tight , no solder .
kd5pnt

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> With a number of new members etc and maybe some new hams who do not know
yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain
(Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care,
nickel plates can not hold a candle to the bond you get with a silver plate connector.
>
> Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an
undercoat, then top with electrical tape etc....great suggestion for antennas
that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20460. AW: [ham-antennas] Aluminium Project Box For Balun?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 19:53:46 UTC
From: Siegfried Jackstien
Topic: 20458 Message: 20460

To say it short : YES
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Jim Whitaker
> Gesendet: Dienstag, 8. November 2011 19:35
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Aluminium Project Box For Balun?
>
>
>
> Can you use a nice thick walled aluminium project box to house a
> torriodial balun?
>
> TNX De N8XYN Jim
>
>
>
>

20461. Re: [ham-antennas] Aluminum Project Box For Balun?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 20:04:50 UTC
From: Ron Youvan
Topic: 20458 Message: 20461

Jim N8XYN Whitaker wrote:

> Can you use a nice thick walled aluminum project box to house a torrid balun?

Yes. And you may.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20462. Re: AW: [ham-antennas] Aluminium Project Box For Balun?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 20:05:05 UTC
From: Jim Whitaker
Topic: 20458 Message: 20462

“To say it short : YES
Dg9bfc
Sigi”

And my short reply, tnx om 73

de N8XYN Jim

[Non-text portions of this message have been removed]

20463. 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 21:11:04 UTC
From: Benjamin Straw - KC9UNS
Topic: 20463 Message: 20463

Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
What could it be?
Ben KC9UNS

Grammar mistakes are all on the iPhone

20464. Re: [ham-antennas] 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 21:23:15 UTC
From: Larry Tooley
Topic: 20463 Message: 20464

Sounds like a great idea but doesn't the feedline have to come out at right angles from it to be a true balanced dipole? Soundl like it's acting like a ground plane with the "radials" collapsed to the copper tube. Should make it less than 30 ohms I think. Should work, though. Maybe the coax flexes inside causing the ground plane to move around changing the impedance.

----- Original Message -----
From: Benjamin Straw - KC9UNS
To: ham-antennas@yahoogroups.com ; HamRadioHelpGroup@yahoogroups.com
Sent: Tuesday, November 08, 2011 3:11 PM
Subject: [ham-antennas] 2m Vertical dipole

Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
What could it be?
Ben KC9UNS

Grammar mistakes are all on the iPhone

[Non-text portions of this message have been removed]

20465. RE: [ham-antennas] 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 21:42:37 UTC
From: Richard Schmuke
Topic: 20463 Message: 20465

What are you checking SWR with a antenna analyzer or a 2m rig and a meter? If under power you are getting RF back down the feed line. When I make a J-Pole or a Slim-Jim I use a small line like RG-8X and go down the mast about 1/4wl then have a RF choke of 5 tight turns of coax. Then I have a chassis single hole mount SO-239 with a hood.
http://i1102.photobucket.com/albums/g453/KD0ZZ/239006.jpg

This gives me a attach point for RG-8 or 213.

If this does not work good enough you might have to add a decoupling stub.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Benjamin Straw - KC9UNS
Sent: Tuesday, November 08, 2011 3:11 PM
To: ham-antennas@yahoogroups.com; HamRadioHelpGroup@yahoogroups.com
Subject: [ham-antennas] 2m Vertical dipole

Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
What could it be?
Ben KC9UNS

Grammar mistakes are all on the iPhone

[Non-text portions of this message have been removed]

20466. Re: [ham-antennas] 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 21:48:17 UTC
From: Benjamin Straw
Topic: 20463 Message: 20466

I checked it with an MFJ antenna analyzer, the Feed line is RG-8X and yes
it does have a RF choke.

On Tue, Nov 8, 2011 at 3:42 PM, Richard Schmuke <rdj@...> wrote:

> **
>
>
> What are you checking SWR with a antenna analyzer or a 2m rig and a meter?
> If under power you are getting RF back down the feed line. When I make a
> J-Pole or a Slim-Jim I use a small line like RG-8X and go down the mast
> about 1/4wl then have a RF choke of 5 tight turns of coax. Then I have a
> chassis single hole mount SO-239 with a hood.
> http://i1102.photobucket.com/albums/g453/KD0ZZ/239006.jpg
>
> This gives me a attach point for RG-8 or 213.
>
> If this does not work good enough you might have to add a decoupling stub.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Benjamin Straw - KC9UNS
>
> Sent: Tuesday, November 08, 2011 3:11 PM
> To: ham-antennas@yahoogroups.com; HamRadioHelpGroup@yahoogroups.com
>
> Subject: [ham-antennas] 2m Vertical dipole
>
> Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's
> 20in
> x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft
> PVC
> pipe. The coax is ran though the ground side and out a hole of the spacer
> and PVC. Sheet screws are drilled into the PVC and copper for the
> connections. Here is where it gets weird, the swr bounces around(yes if you
> let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq
> now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I
> lower the antenna to the ground it also does down but doesn't bounce!
> What could it be?
> Ben KC9UNS
>
> Grammar mistakes are all on the iPhone
>

> [Non-text portions of this message have been removed]
>
>
>

--
73, Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

20467. Re: [ham-antennas] 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 21:50:44 UTC
From: Benjamin Straw
Topic: 20463 Message: 20467

TThis is what I built http://mysite.verizon.net/cpthaines/id14.html
But with the dimensions of this
http://www.hamuniverse.com/w7lpnvertdipole.html
A and B being 20 inches each, with a 1/4 inch spacer

On Tue, Nov 8, 2011 at 3:23 PM, Larry Tooley <wa9guu@...> wrote:

> **
>
>
> Sounds like a great idea but doesn't the feedline have to come out at
> right
> angles from it to be a true balanced dipole? Soundl like it's acting like
> a
> ground plane with the "radials" collapsed to the copper tube. Should make
> it less than 30 ohms I think. Should work, though. Maybe the coax flexes
> inside causing the ground plane to move around changing the impedance.
>
> ----- Original Message -----
> From: Benjamin Straw - KC9UNS
> To: ham-antennas@yahoogroups.com ; HamRadioHelpGroup@yahoogroups.com
> Sent: Tuesday, November 08, 2011 3:11 PM
> Subject: [ham-antennas] 2m Vertical dipole
>
> Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's
> 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a
> 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of
> the spacer and PVC. Sheet screws are drilled into the PVC and copper for
> the
> connections. Here is where it gets weird, the swr bounces around(yes if
> you
> let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq
> now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I
> lower the antenna to the ground it also does down but doesn't bounce!
> What could it be?
> Ben KC9UNS
>
> Grammar mistakes are all on the iPhone
>
> [Non-text portions of this message have been removed]
>
>
>

--
73, Benjamin A Straw - KC9UNS

5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

20468. RE: [ham-antennas] 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 22:03:34 UTC
From: Richard Schmuke
Topic: 20463 Message: 20468

I like the looks of the set up, yours sound nice with 3/4 copper. Please keep me informed of the solution of you problem.
Not quite the same problem but I found one time that I had good reading with my MFJ but when I used my FT-2800 as I increased power the SWR increased. My problem turned out to be water in a run of Belden 9913.

Rich , Kd0zz

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Benjamin Straw
Sent: Tuesday, November 08, 2011 3:48 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 2m Vertical dipole

I checked it with an MFJ antenna analyzer, the Feed line is RG-8X and yes it does have a RF choke.

On Tue, Nov 8, 2011 at 3:42 PM, Richard Schmuke <rdj@...> wrote:

> **
>
>
> What are you checking SWR with a antenna analyzer or a 2m rig and a meter?
> If under power you are getting RF back down the feed line. When I make a
> J-Pole or a Slim-Jim I use a small line like RG-8X and go down the mast
> about 1/4wl then have a RF choke of 5 tight turns of coax. Then I have a
> chassis single hole mount SO-239 with a hood.
> http://i1102.photobucket.com/albums/g453/KD0ZZ/239006.jpg
>
> This gives me a attach point for RG-8 or 213.
>
> If this does not work good enough you might have to add a decoupling stub.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Benjamin Straw - KC9UNS
>
> Sent: Tuesday, November 08, 2011 3:11 PM
> To: ham-antennas@yahoogroups.com; HamRadioHelpGroup@yahoogroups.com
>
> Subject: [ham-antennas] 2m Vertical dipole
>
> Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's

> 20in
> x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft
> PVC
> pipe. The coax is ran though the ground side and out a hole of the spacer
> and PVC. Sheet screws are drilled into the PVC and copper for the
> connections. Here is where it gets weird, the swr bounces around(yes if
you
> let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq
> now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I
> lower the antenna to the ground it also does down but doesn't bounce!
> What could it be?
> Ben KC9UNS
>
> Grammar mistakes are all on the iPhone
>
> [Non-text portions of this message have been removed]
>
>
>

--
73, Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20469. Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 22:39:17 UTC
From: pchapman920
Topic: 20451 Message: 20469

Budget ham here too! At most any good size hamfest Silverplates are $20 for ten and RG8x reducers 10 for $5. The best non-amphenol brand I get from http://www.mgs4u.com/RF-adapters.htm and they are $2.30 in lots of ten or more with reducers. Beats doing all of that filing stuff, although the method works well.

--- In ham-antennas@yahoogroups.com, "VE3FAL-Fred" <flesnick@...> wrote:
>
> Budget HAM- H.A.M = Haven't Any Money
>
>
>
>
> Fred
> YouKits Canada Rep.
> http://www.youkits.com
> CIW649/VE3FAL
> CFARS Member
> SATERN Member
> SATERN Amateur Radio Liaison Officer Great Lakes Region
> http://www.satern.org
> DEC Amethyst District ARES
> http://www.thunderbay.emergencyradio.ca/

20470. Re: [ham-antennas] 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-08 23:41:53 UTC
From: Ken Burchfield
Topic: 20463 Message: 20470

Ben,
Could be you have current flowing in the shield.
Do you have a balun or coil of coax at the feed point?

Could be this would settle thing down.
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Benjamin Straw - KC9UNS <kc9uns@...>
To: ham-antennas@yahoogroups.com; HamRadioHelpGroup@yahoogroups.com
Sent: Tuesday, November 8, 2011 3:11 PM
Subject: [ham-antennas] 2m Vertical dipole

Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
What could it be?
Ben KC9UNS

Grammar mistakes are all on the iPhone

[Non-text portions of this message have been removed]

20471. Re: [ham-antennas] 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 00:25:21 UTC
From: Ed Stewart
Topic: 20463 Message: 20471

I got a new email address, just a test. Ed

-

20472. Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 01:19:19 UTC
From: AB2ZY
Topic: 20451 Message: 20472

I've done that as well, but never on a connector exposed to the elements. You can get away with it for indoor patch cables, but copper oxidizes very quickly when subject to even a tiny amount of water.

I've only done it when I didn't have access to a big Welder (aka Weller) soldering gun.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> I have never had a problem soldering to the nickle plate ones , just takes heat and the right flux , the hard part is not melting the centre insulation . just for kicks one day I put one together with RG8 and prepared the coax in the usual way and left the outer insulation a bit long and screwed it into the connector and did not solder it (I know what some are going to say) I hope it does not stir up a hornets nest . anyway I just solder the centre conductor to the pin and assemble it . have not had any problems with them yet , been doing it for 5 years now . I do the same with the RG8X , fold the braid back over the reducer and run it in tight , no solder .
> kd5pnt
>
> --- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@> wrote:
> >
> > With a number of new members etc and maybe some new hams who do not know yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain (Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care, nickel plates can not hold a candle to the bond you get with a silver plate connector.
> >
> > Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an undercoat, then top with electrical tape etc....great suggestion for antennas that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.
> >
>

20473. RE: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 01:40:38 UTC
From: KA9EGW
Topic: 20451 Message: 20473

I've had excellent luck pulling the tip out of the Weller and laying the posts right on the connector body and applying the solder to the braid until hot enough to reflow.

Haven't shorted one in over 30 years. I use 63/37 rosin-core.

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of AB2ZY
Sent: Tuesday, November 08, 2011 7:19 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

I've done that as well, but never on a connector exposed to the elements. You can get away with it for indoor patch cables, but copper oxidizes very quickly when subject to even a tiny amount of water.

I've only done it when I didn't have access to a big Welder (aka Weller) soldering gun.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> I have never had a problem soldering to the nickle plate ones , just takes heat and the right flux , the hard part is not melting the centre insulation . just for kicks one day I put one together with RG8 and prepared the coax in the usual way and left the outer insulation a bit long and screwed it into the connector and did not solder it (I know what some are going to say) I hope it does not stir up a hornets nest . anyway I just solder the centre conductor to the pin and assemble it . have not had any problems with them yet , been doing it for 5 years now . I do the same with the RG8X , fold the braid back over the reducer and run it in tight , no solder .
> kd5pnt
>
> --- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@> wrote:
> >
> > With a number of new members etc and maybe some new hams who do not know yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found

pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain (Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care, nickel plates can not hold a candle to the bond you get with a silver plate connector.
> >
> > Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an undercoat, then top with electrical tape etc....great suggestion for antennas that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.
> >
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20474. Re: Advice on spacing - HF beam to 2m beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 02:44:25 UTC
From: ve9xyz
Topic: 20405 Message: 20474

I did not receive any comments on this posting - are there any fellow hams that can offer some experience advice on this subject?

Thanks,

Kevin

--- In ham-antennas@yahoogroups.com, "ve9xyz" <myfamilydotcom@...> wrote:
>
> I am installing a Mosley TA-33-M-WARC beam on a 32' self-support tower, and am wondering about the required spacing between that HF beam (mounted horizontally, of course) and my 13 element Cuscraft 2-meter yagi, which I plan to mount above the Mosley, in a vertical yagi configuration.
>
> I'm not sure what spscing I need to ensure that these antennas both work properly.
>
> Can someone with some experience with this advise?
>
> Thanks,
>
> Kevin
>
> VE9XYZ
>
> myfamilydotcom@...
>

20475. Re: [ham-antennas] Re: Advice on spacing - HF beam to 2m beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 03:19:21 UTC
From: Larry Banks
Topic: 20405 Message: 20475

Hi Kevin,

You might read the info on spacing on the Directive Systems web site:
http://www.directivesystems.com/

Go to APP Notes and then read HOW TO PLAN THE INSTALLATION OF MULTIPLE VHF ANTENNAS ON ONE MAST . Although this note is about VHF antennas, the theory is the same and will help you understand the issues.

My guess, as you are changing the polarization of the VHF yagi, that it won't matter much. However, having the vertical mast go through the vertical 2M yagi will certainly mess up it's pattern, unless your mast is not metallic.

73 -- Larry -- W1DYJ

----- Original Message -----
From: ve9xyz
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 08, 2011 9:44 PM
Subject: [ham-antennas] Re: Advice on spacing - HF beam to 2m beam

I did not receive any comments on this posting - are there any fellow hams that can offer some experience advice on this subject?

Thanks,

Kevin

--- In ham-antennas@yahoogroups.com, "ve9xyz" <myfamilydotcom@...> wrote:
>
> I am installing a Mosley TA-33-M-WARC beam on a 32' self-support tower, and am wondering about the required spacing between that HF beam (mounted horizontally, of course) and my 13 element Cuscraft 2-meter yagi, which I plan to mount above the Mosley, in a vertical yagi configuration.
>
> I'm not sure what spscing I need to ensure that these antennas both work properly.
>
> Can someone with some experience with this advise?
>
> Thanks,
>
> Kevin
>
> VE9XYZ
>
> myfamilydotcom@...
>

[Non-text portions of this message have been removed]

20476. RE: advice on spacing hf beam to 2 meter beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 03:24:35 UTC
From: physics1@sbcglobal.net
Topic: 20476 Message: 20476

I did exactly what you are suggesting with a moseley cl33 and a 11 element, i think, 2 meter vertically oriented beam . Spacing was less than 6 inchs. The vhf beam was aligned with its boom parallel to the cl 33 boom. I continued to work tons of dx on hf and regularly contacted springfield, mo from kansas city on 2 meters. About 160 miles when i could make contact. I would compare this to mounting a ringo over the top of a beam---quite common configuration. I think a more pressing issue would be the additional bending load exerted on the mast, and the rotator, if yoy get them too far apart. Just my thoughts and personal experience. Also the resonance curve of the beam was not changed significantly.

Carl K0YCR

20477. Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 03:29:15 UTC
From: w7tea
Topic: 20451 Message: 20477

Read a hint in QST some time ago regarding putting a drop of 3:1 oil in the holes of the 259 body before you attempt to solder. Seems to work for me.

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> Budget ham here too! At most any good size hamfest Silverplates are $20 for ten and RG8x reducers 10 for $5. The best non-amphenol brand I get from http://www.mgs4u.com/RF-adapters.htm and they are $2.30 in lots of ten or more with reducers. Beats doing all of that filing stuff, although the method works well.

20478. RE: [ham-antennas] Re: Advice on spacing - HF beam to 2m beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 03:41:12 UTC
From: KA9EGW
Topic: 20405 Message: 20478

Just my opinion, but with the two antennas at opposite polarizations to each other, I doubt the 2m yagi will affect the Mosley much at all, being right on the Moseley's centerline...personally I'd keep them at least 2 meters or better apart...although what I found in a Google search for "stacking yagis" indicates at least 1/2 wavelength

Here's some links with info from that search:
http://www.ifwtech.co.uk/g3sek/stacking/stacking2.htm
http://www.eham.net/ehamforum/smf/index.php?topic=77572.0

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ve9xyz
Sent: Tuesday, November 08, 2011 8:44 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Advice on spacing - HF beam to 2m beam

I did not receive any comments on this posting - are there any fellow hams that can offer some experience advice on this subject?

Thanks,

Kevin

--- In ham-antennas@yahoogroups.com, "ve9xyz" <myfamilydotcom@...> wrote:
>
> I am installing a Mosley TA-33-M-WARC beam on a 32' self-support tower, and am wondering about the required spacing between that HF beam (mounted horizontally, of course) and my 13 element Cuscraft 2-meter yagi, which I plan to mount above the Mosley, in a vertical yagi configuration.
>
> I'm not sure what spscing I need to ensure that these antennas both work properly.
>
> Can someone with some experience with this advise?
>
> Thanks,
>
> Kevin
>
> VE9XYZ
>
> myfamilydotcom@...
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20479. Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 03:42:41 UTC
From: wc5m
Topic: 20451 Message: 20479

Most of the problems I see with installing PL-259 connectors is due to people not using enough heat. I recommend a minimum of a 125W soldering gun. This will allow you to solder the shield and center pin quickly enough that the insulation and dielectric does not melt and the connector will not be shorted. In 29 years as a ham I've seen way too many guys try to solder a PL-259 with a 40W soldering pencil (or smaller) and by the time the connector is hot enough to melt the solder the dielectric is starting to melt. Many people also make the mistake of melting the solder directly instead of heating the connector until it is hot enough that the solder flows into the connection resulting in a cold solder joint.

73,
WC5M, Retired EE and industry certified soldering instructor.

--- In ham-antennas@...m, "pchapman920" <p_chap@...> wrote:
>
> With a number of new members etc and maybe some new hams who do not know yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain (Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care, nickel plates can not hold a candle to the bond you get with a silver plate connector.
>
> Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an undercoat, then top with electrical tape etc....great suggestion for antennas that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.
>

20480. Re: [ham-antennas] Advice on spacing - HF beam to 2m beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 04:25:08 UTC
From: Sebastian, W4AS
Topic: 20405 Message: 20480

The HF beam won't be affected.

However, a yagi mounted vertically on a metal mast, will experience changes in it's radiation pattern and/or gain.

Think of it this way - the driven element is behind the mast, so it will 'see' the mast as either a director, or a reflector.

The mast becomes part of the antenna. While it will still work; it won't be optimum.

73 de Sebastian, W4AS

On Nov 8, 2011, at 10:41 PM, KA9EGW wrote:

> Just my opinion, but with the two antennas at opposite polarizations to each
> other, I doubt the 2m yagi will affect the Mosley much at all, being right
> on the Moseley's centerline...personally I'd keep them at least 2 meters or
> better apart...although what I found in a Google search for "stacking yagis"
> indicates at least 1/2 wavelength
>
> Here's some links with info from that search:
> http://www.ifwtech.co.uk/g3sek/stacking/stacking2.htm
> http://www.eham.net/ehamforum/smf/index.php?topic=77572.0
>
> 73, Brian KA9EGW
>
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of ve9xyz
> Sent: Tuesday, November 08, 2011 8:44 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Advice on spacing - HF beam to 2m beam
>
> I did not receive any comments on this posting - are there any fellow hams
> that can offer some experience advice on this subject?
>
> Thanks,
>
> Kevin
>
>
> --- In ham-antennas@yahoogroups.com, "ve9xyz" <myfamilydotcom@...> wrote:
>>
>> I am installing a Mosley TA-33-M-WARC beam on a 32' self-support tower,
> and am wondering about the required spacing between that HF beam (mounted

> horizontally, of course) and my 13 element Cuscraft 2-meter yagi, which I
> plan to mount above the Mosley, in a vertical yagi configuration.
>>
>> I'm not sure what spscing I need to ensure that these antennas both work
> properly.
>>
>> Can someone with some experience with this advise?
>>
>> Thanks,
>>
>> Kevin
>>
>> VE9XYZ

20481. Re: advice on spacing hf beam to 2 meter beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 05:03:51 UTC
From: physics1@sbcglobal.net
Topic: 20476 Message: 20481

I guess my response would be to put it in perspective. There
is a mechanical penalty to spacing beams 6 feet or more apart. The tower, mast, rotator configuration has to be engineered for wind load. Also is your objective to increase your signal to local repeaters and take advantage of occassional skip? Or are you going after serious vhf weak signal contesting. I would refer you to kcvhfgridbandits.com for pictures of stacked vhf arrays for serious weak signal work. E.g. look at the antennas of N0IRS and others. A single 13 element 2 meter beam by itself would be a limiting factor in this game. So compromises in mounting need to be evaluated in light of the application, not just technical details. However, if you want absolute maximum performance, then spacing becomes more important. But now you have the more serious issue of calculating bending moments, knowing what the mast strength is etc. Masts will bend and rotators will break in high wind loads if not designed properly. Anyway have fun thats what ham radio is all about.

20482. Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 11:08:41 UTC
From: pchapman920
Topic: 20451 Message: 20482

True:

I use a flat tip 80W Weller, hot enough for me, and under $30 with two tips. Not doing the simple stuff will bite later. How many times I've seen the tip of an iron go inside the tip in direct contact with the inner conductor, instead of under it, I can't count. Another, not tinning the inner conductor before starting. Not using 259's with teflon, a mistake.

Using the right tools is vital. Use diagonal shears to cut braid, not cutters. Home Depot sells spring loaded Crescent shears for under $10. (They are not made for wire larger than 20g) Use a rotatable suction vice with a 12X12" piece of smooth glazed tile. It's a good suction base, gives you a good splatter zone, and the solder does not stick. Use a multi-ring base with a sponge for the iron. Easy to find at $5-$8. Not having a safe place to park a 900 degree iron is just plain dumb.

Leaves are down in most areas. Now go build and hang those new antennas.

--- In ham-antennas@yahoogroups.com, "wc5m" <wc5m@...> wrote:
>
> Most of the problems I see with installing PL-259 connectors is due to people not using enough heat. I recommend a minimum of a 125W soldering gun. This will allow you to solder the shield and center pin quickly enough that the insulation and dielectric does not melt and the connector will not be shorted. In 29 years as a ham I've seen way too many guys try to solder a PL-259 with a 40W soldering pencil (or smaller) and by the time the connector is hot enough to melt the solder the dielectric is starting to melt. Many people also make the mistake of melting the solder directly instead of heating the connector until it is hot enough that the solder flows into the connection resulting in a cold solder joint.
>
> 73,
> WC5M, Retired EE and industry certified soldering instructor.

20483. Re: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 13:21:41 UTC
From: WA8JXM
Topic: 20451 Message: 20483

On Nov 8, 2011, at 10:42 PM, wc5m wrote:

> Most of the problems I see with installing PL-259 connectors is due to people not using enough heat.

Oh I suspect you are 100% right! Good soldering technique applies here and you can't do it right with a light duty pencil.

I guess I don't really understand this whole discussion, I'm still using patch cables that I made 45+ years ago before I even understood the proper way to assemble PL-259s for soldering. (But I did understand how to solder properly.)

Ken

20484. Tailtwister t2x into Rohn

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 13:46:42 UTC
From: physics1@sbcglobal.net
Topic: 20484 Message: 20484

Has anyone tried to slip a tailtwister and rotor plate into the top 2.5 feet of a 25ag2 top section? The drawing looks like it might fit, but I can't seem to find anyone who knows for sure.

20485. RE: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 13:55:18 UTC
From: jo barden
Topic: 20451 Message: 20485

Heat, Heat and more heat. I can solder the inner fine but the braid I cannot with my electric iron which is 100w, even tried 2 100w irons but no luck so for 15 years I doubled the braid back over sleeve if possible and screwed in, lots of tape to keep water out. Then a couple of years ago I thought I had better have another go and I can now do it. Here is how. Old fashioned large copper plumbers iron, blow torch to heat it up now braid is soldered to outside of plug. Saying all this don't do as I did and use plumbers flux. you end up with green fur instead of braid after a month or so.

Oh another thing is to file the chrome off the brass, this helps in the tinning/soldering

Jon

[Non-text portions of this message have been removed]

20486. Re: [ham-antennas] Tailtwister t2x into Rohn

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 14:23:45 UTC
From: N3XX
Topic: 20484 Message: 20486

I use the 25ag4 top sections here, and no problem getting a tailtwister in there. Unfortunately the Tessco web site doesn't have the measurements for the opening on the 25ag2. But it does have the measurement for the 25ag4 section. So if you already have a 25ag2 section, measure the opening and compare to the measurement for the 25ag4 on the website. If they are the same, then it should fit.

73,
Tim - N3XX

----- Original Message -----
From: <physics1@...>
To: <ham-antennas@yahoogroups.com>
Sent: Wednesday, November 09, 2011 8:46 AM
Subject: [ham-antennas] Tailtwister t2x into Rohn

Has anyone tried to slip a tailtwister and rotor plate into the top 2.5 feet of a 25ag2 top section? The drawing looks like it might fit, but I can't seem to find anyone who knows for sure.

20487. Re: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 14:48:17 UTC
From: WA8JXM
Topic: 20451 Message: 20487

On Nov 9, 2011, at 8:55 AM, jo barden wrote:

> Saying all this don't do as I did and use plumbers flux. you end up with green fur instead of braid after a month or so.

And in a few years your copper braid will be eaten away....

Ken

20488. Re: Tailtwister t2x into Rohn

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 15:44:21 UTC
From: physics1@sbcglobal.net
Topic: 20484 Message: 20488

Thanks Tim,you gave me the same answer as George. The issue is I have a T2X and I do not have a 25ag2 section. I have heard bad things about replacing tb3 bearings, having to remove antenna etc. So again the question I pose is the following:

Has anyone tried to slip a tailtwister and rotor plate into the top 2.5 feet
of a 25ag2 top section? The drawing looks like it might fit, but I can't
seem to find anyone who knows for sure.

--- In ham-antennas@yahoogroups.com, "N3XX" <n3xx@...> wrote:
>
> I use the 25ag4 top sections here, and no problem getting a tailtwister in
> there. Unfortunately the Tessco web site doesn't have the measurements for
> the opening on the 25ag2. But it does have the measurement for the 25ag4
> section. So if you already have a 25ag2 section, measure the opening and
> compare to the measurement for the 25ag4 on the website. If they are the
> same, then it should fit.
>
> 73,
> Tim - N3XX
>
> ----- Original Message -----
> From: <physics1@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Wednesday, November 09, 2011 8:46 AM
> Subject: [ham-antennas] Tailtwister t2x into Rohn
>
>
> Has anyone tried to slip a tailtwister and rotor plate into the top 2.5 feet
> of a 25ag2 top section? The drawing looks like it might fit, but I can't
> seem to find anyone who knows for sure.
>

20489. Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 15:56:18 UTC
From: fred
Topic: 20451 Message: 20489

had a american beauty 250 watt iron that was made in the 1930's until it burned out .
now have a weller S-100 that does not have quite enough mass to do the job .
kd5pnt

--- In ham-antennas@yahoogroups.com, "wc5m" <wc5m@...> wrote:
>
> Most of the problems I see with installing PL-259 connectors is due to people not using enough heat. I recommend a minimum of a 125W soldering gun. This will allow you to solder the shield and center pin quickly enough that the insulation and dielectric does not melt and the connector will not be shorted. In 29 years as a ham I've seen way too many guys try to solder a PL-259 with a 40W soldering pencil (or smaller) and by the time the connector is hot enough to melt the solder the dielectric is starting to melt. Many people also make the mistake of melting the solder directly instead of heating the connector until it is hot enough that the solder flows into the connection resulting in a cold solder joint.
>
> 73,
> WC5M, Retired EE and industry certified soldering instructor.
>
>
>
> --- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@> wrote:
> >
> > With a number of new members etc and maybe some new hams who do not know yet, just thought I would pass this along. Do not buy just any 259 to build your antennas. Always get silver plated parts, which are hard to find at a local store that sells said parts. I do not know why, as they can be found pretty reasonable at Hamfests and online. Hamfest prices at the Stone Mountain (Atlanta Area) Hamfest this past weekend for silver plates with Teflon interior were $19-$22 for 10 or more and the reducers for RG8X were $4.50 to $5.50 for 10 or more......about $2.50 each. Even with extreme clean and care, nickel plates can not hold a candle to the bond you get with a silver plate connector.
> >
> > Just thought I would also repeat a tip from someone here. If using coax sealer or tape etc.....someone here suggested using teflon plumbing tape as an undercoat, then top with electrical tape etc....great suggestion for antennas that have to go up and down, like here. No goo to fool with and great easy adhesion with the silver plating.
> >
>

20490. Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 16:35:36 UTC
From: kd8phx
Topic: 20451 Message: 20490

I add a few drops of liquid rosin to enable EZ soldering. If you use Rosin, make sure it is OK for electronics & is a non-acid variety. - 73 Bob

--- In ham-antennas@yahoogroups.com, "w7tea" <w7tea@...> wrote:
>
> Read a hint in QST some time ago regarding putting a drop of 3:1 oil in the holes of the 259 body before you attempt to solder. Seems to work for me.
>
>
>
> --- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@> wrote:
> >
> > Budget ham here too! At most any good size hamfest Silverplates are $20 for ten and RG8x reducers 10 for $5. The best non-amphenol brand I get from http://www.mgs4u.com/RF-adapters.htm and they are $2.30 in lots of ten or more with reducers. Beats doing all of that filing stuff, although the method works well.
>

20491. Re: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 16:46:57 UTC
From: Larry Tooley
Topic: 20451 Message: 20491

If you use a reducer, this guy shows how it takes less heat and ingenuity to just solder the braid at the end of the reducer then cut the rest of the extended braid wires off. http://www.antennex.com/hws/ws0801/reducer.html

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 09, 2011 7:21 AM
Subject: Re: [ham-antennas] Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

On Nov 8, 2011, at 10:42 PM, wc5m wrote:

> Most of the problems I see with installing PL-259 connectors is due to people not using enough heat.

Oh I suspect you are 100% right! Good soldering technique applies here and you can't do it right with a light duty pencil.

I guess I don't really understand this whole discussion, I'm still using patch cables that I made 45+ years ago before I even understood the proper way to assemble PL-259s for soldering. (But I did understand how to solder properly.)

Ken

[Non-text portions of this message have been removed]

20492. Re: [ham-antennas] 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 17:06:00 UTC
From: Tom Humes
Topic: 20463 Message: 20492

Coax shielding, gnd connection. That is where I would start.

On Tue, Nov 8, 2011 at 2:11 PM, Benjamin Straw - KC9UNS <kc9uns@...>wrote:

> **
>
>
> Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's
> 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a
> 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of
> the spacer and PVC. Sheet screws are drilled into the PVC and copper for
> the connections. Here is where it gets weird, the swr bounces around(yes if
> you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m
> freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if
> I lower the antenna to the ground it also does down but doesn't bounce!
> What could it be?
> Ben KC9UNS
>
> Grammar mistakes are all on the iPhone
>
>

[Non-text portions of this message have been removed]

20493. Re: PL-259's Silver Plates vs Nickel Plates and teflon centers + coax seal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 17:25:04 UTC
From: pchapman920
Topic: 20451 Message: 20493

The Weller I use is an 80SPGl, only 80W and hot enough for me. I use RG8X low loss double shield, so on the reducer I cut 1/4 inch skirt and fan it around evenly, put in in the vise, and hit it about three separate times while turning to prevent drip spots or cold joints. Then insert into the shell and get the tip. On silver plates it is solid and simple. Have not done much RG8 in a while, but if you measure carefully and can create equal circular pressure, create a very, very small ripple in the braid where it will meet the holes, the heat conduction will be greatly improved, assuming you had some small airspace that needed to be filled.

--- In ham-antennas@yahoogroups.com, jo barden <jobarden422@...> wrote:
>
>
> Heat, Heat and more heat. I can solder the inner fine but the braid I cannot with my electric iron which is 100w, even tried 2 100w irons but no luck so for 15 years I doubled the braid back over sleeve if possible and screwed in, lots of tape to keep water out. Then a couple of years ago I thought I had better have another go and I can now do it. Here is how. Old fashioned large copper plumbers iron, blow torch to heat it up now braid is soldered to outside of plug. Saying all this don't do as I did and use plumbers flux. you end up with green fur instead of braid after a month or so.
>
> Oh another thing is to file the chrome off the brass, this helps in the tinning/soldering
>
> Jon
>
> [Non-text portions of this message have been removed]
>

20494. Re: 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 19:02:35 UTC
From: James
Topic: 20463 Message: 20494

Hi Benjamin...

A dipole is an balanced antenna when the feedline comes away from it at a right angle. If the angle of the feedline is not 90 degrees, then you need a common mode choke; they can be ferrite or a couple of turns of the feedline. For a single band 2m antenna, 4 or 5 turns should be fine.

I also have a vertical end-fed dipole, but its made entirely from coax. It hangs in the rafters, just in case I loose my outside co-linear. Take some coax, cut the outer insulation back around 21 inches, exposing the shield; then pull the shield braid back over the uncut coax. Tape the end of the braid about 20 inches away from the cut. Use the extra inch from the exposed center conductor to form a loop that will hang over a nail in the rafters. Put four or five turns in the coax below the radiator to make a common mode choke. I've made these with both 50 and 75 ohm cables... they work fine, and there is no problem with hitting all the local repeaters with a handheld. I've never put a connector on at the antenna, but only at the radio connection point.... so it's all one piece.

This type of antenna doesn't give up much, if anything, to the j-pole or ground plane....

http://www.hamradio.me/antennas/jpole-vs-coaxial-dipole-eznec-shootout.html

OK... found this on HamUniverse...

http://www.hamuniverse.com/vertbazooka.html

.... check out the picture above the mounting pole.... these are very simple antennas. I've had no problem making both "ends" of the antenna 20 inches long. The article calculates the top section at about 20 inches, and then uses a velocity factor for calculating the section of shield that slides over the coax... make no sense to me. Changes the length of that section according to the vf of coax center insulation even though the "outer" section of the shield is facing the "outer" section of itself after pulling the braid over. The VF of a transmission line has nothing to do with the outer insulation. Personally, I'd just make both lengths the same. "Tuning", if there is a problem can be done by pushing or pulling on the braid; the upper section can be shortened by making the nailing loop bigger or smaller.

My current version of this antenna is one continuous 40ft piece of RG6. And don't forget to wind a common mode choke into the transmission line after the antenna.

Also... if anyone has good explanation of why the author of the above article is using vf to correct for the shield leg of the antenna... I'm listening.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, Benjamin Straw - KC9UNS
<kc9uns@...> wrote:
>
> Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran

though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
> What could it be?
> Ben KC9UNS
>
> Grammar mistakes are all on the iPhone
>

20495. Re: 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 19:09:11 UTC
From: tivoligardens@yahoo.com
Topic: 20463 Message: 20495

how wide does the turns have to be ?

hal w4hal

--- In ham-antennas@yahoogroups.com, "James" <k9jfk@...> wrote:
>
>
> Hi Benjamin...
>
> A dipole is an balanced antenna when the feedline comes away from it at a right angle. If the angle of the feedline is not 90 degrees, then you need a common mode choke; they can be ferrite or a couple of turns of the feedline. For a single band 2m antenna, 4 or 5 turns should be fine.
>
> I also have a vertical end-fed dipole, but its made entirely from coax. It hangs in the rafters, just in case I loose my outside co-linear. Take some coax, cut the outer insulation back around 21 inches, exposing the shield; then pull the shield braid back over the uncut coax. Tape the end of the braid about 20 inches away from the cut. Use the extra inch from the exposed center conductor to form a loop that will hang over a nail in the rafters. Put four or five turns in the coax below the radiator to make a common mode choke. I've made these with both 50 and 75 ohm cables... they work fine, and there is no problem with hitting all the local repeaters with a handheld. I've never put a connector on at the antenna, but only at the radio connection point.... so it's all one piece.
>
> This type of antenna doesn't give up much, if anything, to the j-pole or ground plane....
>
> http://www.hamradio.me/antennas/jpole-vs-coaxial-dipole-eznec-shootout.html
>
> OK... found this on HamUniverse...
>
> http://www.hamuniverse.com/vertbazooka.html
>
> .... check out the picture above the mounting pole.... these are very simple antennas. I've had no problem making both "ends" of the antenna 20 inches long. The article calculates the top section at about 20 inches, and then uses a velocity factor for calculating the section of shield that slides over the coax... make no sense to me. Changes the length of that section according to the vf of coax center insulation even though the "outer" section of the shield is facing the "outer" section of itself after pulling the braid over. The VF of a transmission line has nothing to do with the outer insulation. Personally, I'd just make both lengths the same. "Tuning", if there is a problem can be done by pushing or pulling on the braid; the upper section can be shortened by making the nailing loop bigger or smaller.
>
> My current version of this antenna is one continuous 40ft piece of RG6. And don't forget to wind a common mode choke into the transmission line after the antenna.

>
> Also... if anyone has good explanation of why the author of the above article is using vf to correct for the shield leg of the antenna... I'm listening.
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com, Benjamin Straw - KC9UNS
> <kc9uns@> wrote:
> >
> > Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
> > What could it be?
> > Ben KC9UNS
> >
> > Grammar mistakes are all on the iPhone
> >
>

20496. RE: [ham-antennas] Re: 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 20:11:50 UTC
From: Richard Schmuke
Topic: 20463 Message: 20496

My chokes are 5 turns of RG-8X right next to each other

Rich , Kd0zz

Subject: [ham-antennas] Re: 2m Vertical dipole

how wide does the turns have to be ?

hal w4hal

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "James" <k9jfk@...> wrote:

[Non-text portions of this message have been removed]

20497. Re: [ham-antennas] Re: 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 20:37:06 UTC
From: dean
Topic: 20463 Message: 20497

I use the “Ugly Balun” http://www.hamuniverse.com/balun.html Nice web page

73, WY6L

From: Richard Schmuke
Sent: Wednesday, November 09, 2011 12:11 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 2m Vertical dipole

My chokes are 5 turns of RG-8X right next to each other

Rich , Kd0zz

Subject: [ham-antennas] Re: 2m Vertical dipole

how wide does the turns have to be ?

hal w4hal

--- In mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "James" <k9jfk@...> wrote:

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20498. Re: [ham-antennas] Re: 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 20:39:56 UTC
From: dean
Topic: 20463 Message: 20498

I don’t mean for you to use 21 ft of coax. Its just good diagrams of the size on the turns. Also you don’t want it so tight as to damage the coax. I use 8 to 10 inches for HF.

73, WY6L

this is for the OP only

From: Richard Schmuke
Sent: Wednesday, November 09, 2011 12:11 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 2m Vertical dipole

My chokes are 5 turns of RG-8X right next to each other

Rich , Kd0zz

Subject: [ham-antennas] Re: 2m Vertical dipole

how wide does the turns have to be ?

hal w4hal

--- In mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "James" <k9jfk@...> wrote:

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20499. Re: [ham-antennas] Re: 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 20:43:33 UTC
From: Ken Burchfield
Topic: 20463 Message: 20499

James,
Didn't you mean to say unbalanced ?

A dipole is an balanced antenna when the feedline comes away from it at a right angle.

73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: James <k9jfk@yahoo.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 9, 2011 1:02 PM
Subject: [ham-antennas] Re: 2m Vertical dipole

Hi Benjamin...

A dipole is an balanced antenna when the feedline comes away from it at a right angle. If the angle of the feedline is not 90 degrees, then you need a common mode choke; they can be ferrite or a couple of turns of the feedline. For a single band 2m antenna, 4 or 5 turns should be fine.

I also have a vertical end-fed dipole, but its made entirely from coax. It hangs in the rafters, just in case I loose my outside co-linear. Take some coax, cut the outer insulation back around 21 inches, exposing the shield; then pull the shield braid back over the uncut coax. Tape the end of the braid about 20 inches away from the cut. Use the extra inch from the exposed center conductor to form a loop that will hang over a nail in the rafters. Put four or five turns in the coax below the radiator to make a common mode choke. I've made these with both 50 and 75 ohm cables... they work fine, and there is no problem with hitting all the local repeaters with a handheld. I've never put a connector on at the antenna, but only at the radio connection point.... so it's all one piece.

This type of antenna doesn't give up much, if anything, to the j-pole or ground plane....

http://www.hamradio.me/antennas/jpole-vs-coaxial-dipole-eznec-shootout.html

OK... found this on HamUniverse...

http://www.hamuniverse.com/vertbazooka.html

.... check out the picture above the mounting pole.... these are very simple antennas. I've had no problem making both "ends" of the antenna 20 inches long. The article calculates the top section at about 20 inches, and then uses a velocity factor for calculating the section of shield that slides over the coax... make no sense to me. Changes the length of that section according to the vf of coax center insulation even though the "outer" section of the shield is facing the "outer" section of itself after pulling the braid over. The VF of a transmission line has nothing to do with the outer insulation. Personally, I'd just make both lengths the same. "Tuning", if there is a

problem can be done by pushing or pulling on the braid; the upper section can be shortened by making the nailing loop bigger or smaller.

My current version of this antenna is one continuous 40ft piece of RG6. And don't forget to wind a common mode choke into the transmission line after the antenna.

Also... if anyone has good explanation of why the author of the above article is using vf to correct for the shield leg of the antenna... I'm listening.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, Benjamin Straw - KC9UNS
<kc9uns@...> wrote:
>
> Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
> What could it be?
> Ben KC9UNS
>
> Grammar mistakes are all on the iPhone
>

[Non-text portions of this message have been removed]

20500. Re: [ham-antennas] Re: 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-09 21:08:32 UTC
From: Ken Burchfield
Topic: 20463 Message: 20500

Sorry James,
You are correct, Dipole is balanced, but the coax is Unbalanced.
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---

From: Ken Burchfield <k5jxl@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Wednesday, November 9, 2011 2:43 PM
Subject: Re: [ham-antennas] Re: 2m Vertical dipole

James,
Didn't you mean to say unbalanced ?

A dipole is an balanced antenna when the feedline comes away from it at a right angle.

73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---

From: James <k9jfk@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 9, 2011 1:02 PM
Subject: [ham-antennas] Re: 2m Vertical dipole

Hi Benjamin...

A dipole is an balanced antenna when the feedline comes away from it at a right angle. If the angle of the feedline is not 90 degrees, then you need a common mode choke; they can be ferrite or a couple of turns of the feedline. For a single band 2m antenna, 4 or 5 turns should be fine.

I also have a vertical end-fed dipole, but its made entirely from coax. It hangs in the rafters, just in case I loose my outside co-linear. Take some coax, cut the outer insulation back around 21 inches, exposing the shield; then pull the shield braid back over the uncut coax. Tape the end of the braid about 20 inches away from the cut. Use the extra inch from the exposed center conductor to form a loop that will hang over a nail in the rafters. Put four or five turns in the coax below the radiator to make a common mode choke. I've made these with both 50 and 75 ohm cables... they work fine, and there is no problem with hitting all the local repeaters with a handheld. I've never put a connector on at the antenna, but only at the radio connection point.... so it's all one piece.

This type of antenna doesn't give up much, if anything, to the j-pole or ground plane....

http://www.hamradio.me/antennas/jpole-vs-coaxial-dipole-eznec-shootout.html

OK... found this on HamUniverse...

http://www.hamuniverse.com/vertbazooka.html

.... check out the picture above the mounting pole.... these are very simple antennas. I've had no problem making both "ends" of the antenna 20 inches long. The article calculates the top section at about 20 inches, and then uses a velocity factor for calculating the section of shield that slides over the coax... make no sense to me. Changes the length of that section according to the vf of coax center insulation even though the "outer" section of the shield is facing the "outer" section of itself after pulling the braid over. The VF of a transmission line has nothing to do with the outer insulation. Personally, I'd just make both lengths the same. "Tuning", if there is a problem can be done by pushing or pulling on the braid; the upper section can be shortened by making the nailing loop bigger or smaller.

My current version of this antenna is one continuous 40ft piece of RG6. And don't forget to wind a common mode choke into the transmission line after the antenna.

Also... if anyone has good explanation of why the author of the above article is using vf to correct for the shield leg of the antenna... I'm listening.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, Benjamin Straw - KC9UNS
<kc9uns@...> wrote:
>
> Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
> What could it be?
> Ben KC9UNS
>
> Grammar mistakes are all on the iPhone
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20501. How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 02:37:54 UTC
From: goldtr8@charter.net
Topic: 20501 Message: 20501

Dear Group
I have just installed a 160m loop antenna that is approximately 20ft high. Performance wise other than at 80m it appears to be substantially weaker than my trapped dipole which is at 30 feet, on 80 it is equal or better in performance. I define weaker by approximately 2 s units less in power and weaker TX signal reports when I have a qso with someone.

With the above stated I have taken measurements with my antenna analyzer and would like help in understanding the data. Does is suggest that the loop should be longer or shorter. Does it give insight on ground coupling as am I correct that it is to close to the ground.

Basically I have the data but I really dont know if it is telling me anything at all.

Right now I am looking into ways to raise the antenna between 30 and 40 ft, but before I take the wire down, I want to understand what the data is telling me so if I need to make other adjustments to length I can do it. I have data so just guessing on what to do next is not good engineering practice. My problem is I am a mechanical guy not an electrical guy.

Below is the data I measured with my antenna analyzer.

FRQ SWR R X
1.77 14.9 3 -41
1.80 16 3 -38
1.83 16 2 -37
1.85 16.5 2 -35
1.90 16.5 2 -32
1.95 16.5 2 -30
2.00 16 2 -27
2.10 14.9 2 -22
2.20 13.1 3 -17
2.30 10.5 4 -12
2.40 8.2 5 -7
2.50 5.6 8 -4
2.60 3.3 15 7
2.70 1.8 29 8
2.75 1.5 34 8
2.80 1.8 31 6
2.85 2.4 23 20
2.90 3.1 17 -18
3.00 4.7 9 -13
3.10 5.7 7 -7

```
3.20 5.8 7 -3
3.30 5.4 8 8
3.40 4.6 9 13
3.50 3.5 13 19
3.60 2.4 22 21
3.70 1.6 33 -12
3.75 1.5 33 -7
3.80 1.7 28 -5
3.90 2.6 19 -5
4.00 3.9 12 6
4.10 5.2 8 10
4.20 6.5 6 15
4.30 7.2 6 20
4.40 7.6 5 24
4.50 7.5 5 20
4.60 6.9 6 35
4.70 6 8 40
4.80 5 12 45
4.90 4 17 47
5.00 3.8 19 46
5.10 4.3 16 46
5.20 5.5 13 49
5.30 6.9 11 56
5.50 9.4 10 74
5.75 10.5 16 108
6.00 9.8 49 170
6.20 8.1 162 227
6.50 6.9 337 136
6.75 9.1 217 263
7.00 10.8 49 -172
7.10 11.1 29 -144
7.20 11.1 21 -120
7.30 11.1 15 -105
7.40 10.8 12 -90
7.50 10.3 10 -78
7.60 9.4 9 -69
7.70 8.4 9 -61
7.80 7.3 9 -54
7.90 6.3 10 -50
8.00 5.9 10 -47
8.10 6.1 10 -45
8.20 6.8 8 -41
8.30 7.5 6 -37
8.50 8.2 4 -29
8.75 7.9 4 -20
9.00 6.5 6 -10
9.25 4.3 11 -4
9.50 3.1 15 -3
9.75 3.8 12 4
10.00 4 12 13
```

10.25 3 17 9
10.50 2.3 24 20
10.75 2.8 20 20
11.00 3.5 17 28
11.25 3.5 20 38
11.50 3.1 26 44
11.75 3.6 26 49
12.00 4.9 25 64
12.25 6.1 32 90
12.50 6.9 61 134
12.75 6.7 169 179
13.00 6 296 -113
13.25 6.5 226 -174
13.50 7.5 88 -166
13.75 7.9 38 -119
14.00 7.9 20 -85
14.10 7.7 17 -76
14.20 7.3 15 -67
14.30 7 13 -61
14.40 6.7 12 -55
14.50 6.5 12 -51
14.75 6.5 9 -41
15.00 7.2 6 -31
15.25 7.2 6 -23
15.50 6.5 6 -15
15.75 5.6 8 -8
16.00 4.7 9 -3

Thanks in advance for your help

~73
Don
KD8NNU

[Non-text portions of this message have been removed]

20502. Re: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 02:59:36 UTC
From: Artekmedia
Topic: 20501 Message: 20502

What are the dimensions of the loop?

On 11/9/2011 8:37 PM, goldtr8@... wrote:
>
>
> Dear Group
> I have just installed a 160m loop antenna that is approximately 20ft
> high. Performance wise other than at 80m it appears to be
> substantially weaker than my trapped dipole which is at 30 feet, on 80
> it is equal or better in performance. I define weaker by approximately
> 2 s units less in power and weaker TX signal reports when I have a qso
> with someone.
>
> With the above stated I have taken measurements with my antenna analyzer
> and would like help in understanding the data. Does is suggest that the
> loop should be longer or shorter. Does it give insight on ground
> coupling as am I correct that it is to close to the ground.
>
> Basically I have the data but I really dont know if it is telling me
> anything at all.
>
> Right now I am looking into ways to raise the antenna between 30 and 40
> ft, but before I take the wire down, I want to understand what the data
> is telling me so if I need to make other adjustments to length I can do
> it. I have data so just guessing on what to do next is not good
> engineering practice. My problem is I am a mechanical guy not an
> electrical guy.
>
> Below is the data I measured with my antenna analyzer.
>
> FRQ SWR R X
> 1.77 14.9 3 -41
> 1.80 16 3 -38
> 1.83 16 2 -37
> 1.85 16.5 2 -35
> 1.90 16.5 2 -32
> 1.95 16.5 2 -30
> 2.00 16 2 -27
> 2.10 14.9 2 -22
> 2.20 13.1 3 -17
> 2.30 10.5 4 -12
> 2.40 8.2 5 -7
> 2.50 5.6 8 -4
> 2.60 3.3 15 7

> 2.70 1.8 29 8
> 2.75 1.5 34 8
> 2.80 1.8 31 6
> 2.85 2.4 23 20
> 2.90 3.1 17 -18
> 3.00 4.7 9 -13
> 3.10 5.7 7 -7
> 3.20 5.8 7 -3
> 3.30 5.4 8 8
> 3.40 4.6 9 13
> 3.50 3.5 13 19
> 3.60 2.4 22 21
> 3.70 1.6 33 -12
> 3.75 1.5 33 -7
> 3.80 1.7 28 -5
> 3.90 2.6 19 -5
> 4.00 3.9 12 6
> 4.10 5.2 8 10
> 4.20 6.5 6 15
> 4.30 7.2 6 20
> 4.40 7.6 5 24
> 4.50 7.5 5 20
> 4.60 6.9 6 35
> 4.70 6 8 40
> 4.80 5 12 45
> 4.90 4 17 47
> 5.00 3.8 19 46
> 5.10 4.3 16 46
> 5.20 5.5 13 49
> 5.30 6.9 11 56
> 5.50 9.4 10 74
> 5.75 10.5 16 108
> 6.00 9.8 49 170
> 6.20 8.1 162 227
> 6.50 6.9 337 136
> 6.75 9.1 217 263
> 7.00 10.8 49 -172
> 7.10 11.1 29 -144
> 7.20 11.1 21 -120
> 7.30 11.1 15 -105
> 7.40 10.8 12 -90
> 7.50 10.3 10 -78
> 7.60 9.4 9 -69
> 7.70 8.4 9 -61
> 7.80 7.3 9 -54
> 7.90 6.3 10 -50
> 8.00 5.9 10 -47
> 8.10 6.1 10 -45
> 8.20 6.8 8 -41
> 8.30 7.5 6 -37

> 8.50 8.2 4 -29
> 8.75 7.9 4 -20
> 9.00 6.5 6 -10
> 9.25 4.3 11 -4
> 9.50 3.1 15 -3
> 9.75 3.8 12 4
> 10.00 4 12 13
> 10.25 3 17 9
> 10.50 2.3 24 20
> 10.75 2.8 20 20
> 11.00 3.5 17 28
> 11.25 3.5 20 38
> 11.50 3.1 26 44
> 11.75 3.6 26 49
> 12.00 4.9 25 64
> 12.25 6.1 32 90
> 12.50 6.9 61 134
> 12.75 6.7 169 179
> 13.00 6 296 -113
> 13.25 6.5 226 -174
> 13.50 7.5 88 -166
> 13.75 7.9 38 -119
> 14.00 7.9 20 -85
> 14.10 7.7 17 -76
> 14.20 7.3 15 -67
> 14.30 7 13 -61
> 14.40 6.7 12 -55
> 14.50 6.5 12 -51
> 14.75 6.5 9 -41
> 15.00 7.2 6 -31
> 15.25 7.2 6 -23
> 15.50 6.5 6 -15
> 15.75 5.6 8 -8
> 16.00 4.7 9 -3
>
> Thanks in advance for your help
>
> ~73
> Don
> KD8NNU
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

20503. Re: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 03:11:27 UTC
From: goldtr8@charter.net
Topic: 20501 Message: 20503

Its is close to a circle strung from tree to tree.

Length is about 550 ft in total length. However, this is based on
purchsed lengths of wire plus the length was more ditcated by the trees
and being able to connect the ends together.

The feedline is about 60 ft of 450 ohm ladder line to a 1:1 current
balun to 25 ft of coax to the shack

Sorry I should have included this information in the first posting

~73
Don
KD8NNU

On Wed, Nov 9, 2011 at 9:59 PM, Artekmedia wrote:

What are the dimensions of the loop?

On 11/9/2011 8:37 PM, goldtr8@...
<javascript:parent.wgMail.openComposeWindow('goldtr8@...')>
wrote:
>
>
> Dear Group I have just installed a 160m loop antenna that is
> approximately 20ft high. Performance wise other than at 80m it appears
> to be substantially weaker than my trapped dipole which is at 30 feet,
> on 80 it is equal or better in performance. I define weaker by
> approximately 2 s units less in power and weaker TX signal reports
> when I have a qso with someone.
> With the above stated I have taken measurements with my antenna
> analyzer and would like help in understanding the data. Does is
> suggest that the loop should be longer or shorter. Does it give
> insight on ground coupling as am I correct that it is to close to the
> ground.
> Basically I have the data but I really dont know if it is telling me
> anything at all.
> Right now I am looking into ways to raise the antenna between 30 and
> 40 ft, but before I take the wire down, I want to understand what the
> data is telling me so if I need to make other adjustments to length I
> can do it. I have data so just guessing on what to do next is not good
> engineering practice. My problem is I am a mechanical guy not an
> electrical guy.
> Below is the data I measured with my antenna analyzer.
> FRQ SWR R X 1.77 14.9 3 -41 1.80 16 3 -38 1.83 16 2 -37 1.85 16.5 2

> -35 1.90 16.5 2 -32 1.95 16.5 2 -30 2.00 16 2 -27 2.10 14.9 2 -22 2.20
> 13.1 3 -17 2.30 10.5 4 -12 2.40 8.2 5 -7 2.50 5.6 8 -4 2.60 3.3 15 7
> 2.70 1.8 29 8 2.75 1.5 34 8 2.80 1.8 31 6 2.85 2.4 23 20 2.90 3.1 17
> -18 3.00 4.7 9 -13 3.10 5.7 7 -7 3.20 5.8 7 -3 3.30 5.4 8 8 3.40 4.6 9
> 13 3.50 3.5 13 19 3.60 2.4 22 21 3.70 1.6 33 -12 3.75 1.5 33 -7 3.80
> 1.7 28 -5 3.90 2.6 19 -5 4.00 3.9 12 6 4.10 5.2 8 10 4.20 6.5 6 15
> 4.30 7.2 6 20 4.40 7.6 5 24 4.50 7.5 5 20 4.60 6.9 6 35 4.70 6 8 40
> 4.80 5 12 45 4.90 4 17 47 5.00 3.8 19 46 5.10 4.3 16 46 5.20 5.5 13 49
> 5.30 6.9 11 56 5.50 9.4 10 74 5.75 10.5 16 108 6.00 9.8 49 170 6.20
> 8.1 162 227 6.50 6.9 337 136 6.75 9.1 217 263 7.00 10.8 49 -172 7.10
> 11.1 29 -144 7.20 11.1 21 -120 7.30 11.1 15 -105 7.40 10.8 12 -90 7.50
> 10.3 10 -78 7.60 9.4 9 -69 7.70 8.4 9 -61 7.80 7.3 9 -54 7.90 6.3 10
> -50 8.00 5.9 10 -47 8.10 6.1 10 -45 8.20 6.8 8 -41 8.30 7.5 6 -37 8.50
> 8.2 4 -29 8.75 7.9 4 -20 9.00 6.5 6 -10 9.25 4.3 11 -4 9.50 3.1 15 -3
> 9.75 3.8 12 4 10.00 4 12 13 10.25 3 17 9 10.50 2.3 24 20 10.75 2.8 20
> 20 11.00 3.5 17 28 11.25 3.5 20 38 11.50 3.1 26 44 11.75 3.6 26 49
> 12.00 4.9 25 64 12.25 6.1 32 90 12.50 6.9 61 134 12.75 6.7 169 179
> 13.00 6 296 -113 13.25 6.5 226 -174 13.50 7.5 88 -166 13.75 7.9 38
> -119 14.00 7.9 20 -85 14.10 7.7 17 -76 14.20 7.3 15 -67 14.30 7 13 -61
> 14.40 6.7 12 -55 14.50 6.5 12 -51 14.75 6.5 9 -41 15.00 7.2 6 -31
> 15.25 7.2 6 -23 15.50 6.5 6 -15 15.75 5.6 8 -8 16.00 4.7 9 -3
> Thanks in advance for your help
> ~73 Don KD8NNU
> [Non-text portions of this message have been removed]
>

--
Dave& Lynn Henderson
Manuals@...
<javascript:parent.wgMail.openComposeWindow('Manuals@...')>
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('Manuals@...')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20504. RE: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 03:43:53 UTC
From: jo barden
Topic: 20501 Message: 20504

I would try feeding it via a 1:9 or a 1:4 balun perhaps switched rather than your 1:1 one. I would then try again as this will give you a better impedance transformation and is easy to "knock up" in an hour or so.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
CC: ham-antennas@yahoogroups.com
From: goldtr8@...
Date: Wed, 9 Nov 2011 22:11:27 -0500
Subject: Re: [ham-antennas] How should I interpret swr data from my loop antenna

Its is close to a circle strung from tree to tree.

Length is about 550 ft in total length. However, this is based on

purchsed lengths of wire plus the length was more ditcated by the trees

and being able to connect the ends together.

The feedline is about 60 ft of 450 ohm ladder line to a 1:1 current

balun to 25 ft of coax to the shack

Sorry I should have included this information in the first posting

~73

Don

KD8NNU

On Wed, Nov 9, 2011 at 9:59 PM, Artekmedia wrote:

What are the dimensions of the loop?

On 11/9/2011 8:37 PM, goldtr8@...

<javascript:parent.wgMail.openComposeWindow('goldtr8@...')>

wrote:

>

>

> Dear Group I have just installed a 160m loop antenna that is

> approximately 20ft high. Performance wise other than at 80m it appears
> to be substantially weaker than my trapped dipole which is at 30 feet,
> on 80 it is equal or better in performance. I define weaker by
> approximately 2 s units less in power and weaker TX signal reports
> when I have a qso with someone.
> With the above stated I have taken measurements with my antenna
> analyzer and would like help in understanding the data. Does is
> suggest that the loop should be longer or shorter. Does it give
> insight on ground coupling as am I correct that it is to close to the
> ground.
> Basically I have the data but I really dont know if it is telling me
> anything at all.
> Right now I am looking into ways to raise the antenna between 30 and
> 40 ft, but before I take the wire down, I want to understand what the
> data is telling me so if I need to make other adjustments to length I
> can do it. I have data so just guessing on what to do next is not good
> engineering practice. My problem is I am a mechanical guy not an
> electrical guy.
> Below is the data I measured with my antenna analyzer.
> FRQ SWR R X 1.77 14.9 3 -41 1.80 16 3 -38 1.83 16 2 -37 1.85 16.5 2
> -35 1.90 16.5 2 -32 1.95 16.5 2 -30 2.00 16 2 -27 2.10 14.9 2 -22 2.20
> 13.1 3 -17 2.30 10.5 4 -12 2.40 8.2 5 -7 2.50 5.6 8 -4 2.60 3.3 15 7
> 2.70 1.8 29 8 2.75 1.5 34 8 2.80 1.8 31 6 2.85 2.4 23 20 2.90 3.1 17
> -18 3.00 4.7 9 -13 3.10 5.7 7 -7 3.20 5.8 7 -3 3.30 5.4 8 8 3.40 4.6 9
> 13 3.50 3.5 13 19 3.60 2.4 22 21 3.70 1.6 33 -12 3.75 1.5 33 -7 3.80
> 1.7 28 -5 3.90 2.6 19 -5 4.00 3.9 12 6 4.10 5.2 8 10 4.20 6.5 6 15
> 4.30 7.2 6 20 4.40 7.6 5 24 4.50 7.5 5 20 4.60 6.9 6 35 4.70 6 8 40
> 4.80 5 12 45 4.90 4 17 47 5.00 3.8 19 46 5.10 4.3 16 46 5.20 5.5 13 49
> 5.30 6.9 11 56 5.50 9.4 10 74 5.75 10.5 16 108 6.00 9.8 49 170 6.20

> 8.1 162 227 6.50 6.9 337 136 6.75 9.1 217 263 7.00 10.8 49 -172 7.10

> 11.1 29 -144 7.20 11.1 21 -120 7.30 11.1 15 -105 7.40 10.8 12 -90 7.50

> 10.3 10 -78 7.60 9.4 9 -69 7.70 8.4 9 -61 7.80 7.3 9 -54 7.90 6.3 10

> -50 8.00 5.9 10 -47 8.10 6.1 10 -45 8.20 6.8 8 -41 8.30 7.5 6 -37 8.50

> 8.2 4 -29 8.75 7.9 4 -20 9.00 6.5 6 -10 9.25 4.3 11 -4 9.50 3.1 15 -3

> 9.75 3.8 12 4 10.00 4 12 13 10.25 3 17 9 10.50 2.3 24 20 10.75 2.8 20

> 20 11.00 3.5 17 28 11.25 3.5 20 38 11.50 3.1 26 44 11.75 3.6 26 49

> 12.00 4.9 25 64 12.25 6.1 32 90 12.50 6.9 61 134 12.75 6.7 169 179

> 13.00 6 296 -113 13.25 6.5 226 -174 13.50 7.5 88 -166 13.75 7.9 38

> -119 14.00 7.9 20 -85 14.10 7.7 17 -76 14.20 7.3 15 -67 14.30 7 13 -61

> 14.40 6.7 12 -55 14.50 6.5 12 -51 14.75 6.5 9 -41 15.00 7.2 6 -31

> 15.25 7.2 6 -23 15.50 6.5 6 -15 15.75 5.6 8 -8 16.00 4.7 9 -3

> Thanks in advance for your help

> ~73 Don KD8NNU

> [Non-text portions of this message have been removed]

>

--

Dave& Lynn Henderson

Manuals@ArtekMedia.com

<javascript:parent.wgMail.openComposeWindow('Manuals@ArtekMedia.com')>

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('Manuals@...')>

<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20505. 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 04:15:29 UTC
From: Military1
Topic: 20505 Message: 20505

I saw a recent post which described and had a picture/drawing of a 2M/440 antenna which was made from two 20" lengths of copper pipe and a 1/4 wave length of PVC piping. The write up also addressed a 5 turn choke. For the life of me I can not find where that posting was. Can anyone provide the same information or direct me to the information. Thank you very much.

20506. 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 04:41:27 UTC
From: Military1
Topic: 20505 Message: 20506

I saw a recent post which described and had a picture/drawing of a 2M/440 antenna which was made from two 20" lengths of copper pipe and a 1/4 wave length of PVC piping. The write up also addressed a 5 turn choke. For the life of me I can not find where that posting was. Can anyone provide the same information or direct me to the information. Thank you very much.

20507. Re: [ham-antennas] 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 08:14:18 UTC
From: Dennis Wyman
Topic: 20505 Message: 20507

Give these two sights a look, one of these may be the one you saw...
http://www.iw5edi.com/ham-radio/files/Simple_J.pdf
http://www.n7qvc.com/amateur_radio/copper.html

Dennis(KA6GDT)

On 11/9/2011 8:41 PM, Military1 wrote:
>
> I saw a recent post which described and had a picture/drawing of a
> 2M/440 antenna which was made from two 20" lengths of copper pipe and
> a 1/4 wave length of PVC piping. The write up also addressed a 5 turn
> choke. For the life of me I can not find where that posting was. Can
> anyone provide the same information or direct me to the information.
> Thank you very much.
>
>

[Non-text portions of this message have been removed]

20508. AW: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 09:01:01 UTC
From: Siegfried Jackstien
Topic: 20501 Message: 20508

You have to use a higher ratio balun
Then this setup should work
I jave nearly the same setup (168m deltaloop fed at a corner) but I switch feedindline length for the lower bands
On fundamental and first harmonic the impedance of such a low hanging loop is lower ans the 200 ohms ... so a 1:4 does not work well
Here my solution:
Lets start with 80m
Feeding that loop with 60 feet of ladderline transforms the low impedance to higher value (quarterwave transformer) ...
Now the higher ratio balun can do its job
On 160 I just add another 20m (now a bit shorter after finetuning) and I have the same thing ... ladderline transforms low impedance up
On 40m (and above) the impedance of the loop is higher (a few hundred ohms) so the ladderline is almost matched and does not transform ... but on the lower end is that high ratio balun bringing the higher impedance back down
With that setup I can work all bands ... and many of them without any tuner needed at all!!
I had some shorter lengths of ladderline that were left over from some fieldday projects
And with these parts I tried different lengths till I found that solution
Gretz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von goldtr8@...
> Gesendet: Donnerstag, 10. November 2011 02:38
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] How should I interpret swr data from my loop
> antenna
>
>
>
>
> Dear Group
> I have just installed a 160m loop antenna that is approximately 20ft
> high. Performance wise other than at 80m it appears to be
> substantially weaker than my trapped dipole which is at 30 feet, on 80
> it is equal or better in performance. I define weaker by approximately
> 2 s units less in power and weaker TX signal reports when I have a qso
> with someone.
>

> With the above stated I have taken measurements with my antenna analyzer
> and would like help in understanding the data. Does is suggest that the
> loop should be longer or shorter. Does it give insight on ground
> coupling as am I correct that it is to close to the ground.
>
> Basically I have the data but I really dont know if it is telling me
> anything at all.
>
> Right now I am looking into ways to raise the antenna between 30 and 40
> ft, but before I take the wire down, I want to understand what the data
> is telling me so if I need to make other adjustments to length I can do
> it. I have data so just guessing on what to do next is not good
> engineering practice. My problem is I am a mechanical guy not an
> electrical guy.
>
> Below is the data I measured with my antenna analyzer.
>
> FRQ SWR R X
> 1.77 14.9 3 -41
> 1.80 16 3 -38
> 1.83 16 2 -37
> 1.85 16.5 2 -35
> 1.90 16.5 2 -32
> 1.95 16.5 2 -30
> 2.00 16 2 -27
> 2.10 14.9 2 -22
> 2.20 13.1 3 -17
> 2.30 10.5 4 -12
> 2.40 8.2 5 -7
> 2.50 5.6 8 -4
> 2.60 3.3 15 7
> 2.70 1.8 29 8
> 2.75 1.5 34 8
> 2.80 1.8 31 6
> 2.85 2.4 23 20
> 2.90 3.1 17 -18
> 3.00 4.7 9 -13
> 3.10 5.7 7 -7
> 3.20 5.8 7 -3
> 3.30 5.4 8 8
> 3.40 4.6 9 13
> 3.50 3.5 13 19
> 3.60 2.4 22 21
> 3.70 1.6 33 -12
> 3.75 1.5 33 -7
> 3.80 1.7 28 -5
> 3.90 2.6 19 -5
> 4.00 3.9 12 6
> 4.10 5.2 8 10
> 4.20 6.5 6 15

> 4.30 7.2 6 20
> 4.40 7.6 5 24
> 4.50 7.5 5 20
> 4.60 6.9 6 35
> 4.70 6 8 40
> 4.80 5 12 45
> 4.90 4 17 47
> 5.00 3.8 19 46
> 5.10 4.3 16 46
> 5.20 5.5 13 49
> 5.30 6.9 11 56
> 5.50 9.4 10 74
> 5.75 10.5 16 108
> 6.00 9.8 49 170
> 6.20 8.1 162 227
> 6.50 6.9 337 136
> 6.75 9.1 217 263
> 7.00 10.8 49 -172
> 7.10 11.1 29 -144
> 7.20 11.1 21 -120
> 7.30 11.1 15 -105
> 7.40 10.8 12 -90
> 7.50 10.3 10 -78
> 7.60 9.4 9 -69
> 7.70 8.4 9 -61
> 7.80 7.3 9 -54
> 7.90 6.3 10 -50
> 8.00 5.9 10 -47
> 8.10 6.1 10 -45
> 8.20 6.8 8 -41
> 8.30 7.5 6 -37
> 8.50 8.2 4 -29
> 8.75 7.9 4 -20
> 9.00 6.5 6 -10
> 9.25 4.3 11 -4
> 9.50 3.1 15 -3
> 9.75 3.8 12 4
> 10.00 4 12 13
> 10.25 3 17 9
> 10.50 2.3 24 20
> 10.75 2.8 20 20
> 11.00 3.5 17 28
> 11.25 3.5 20 38
> 11.50 3.1 26 44
> 11.75 3.6 26 49
> 12.00 4.9 25 64
> 12.25 6.1 32 90
> 12.50 6.9 61 134
> 12.75 6.7 169 179
> 13.00 6 296 -113

> 13.25 6.5 226 -174
> 13.50 7.5 88 -166
> 13.75 7.9 38 -119
> 14.00 7.9 20 -85
> 14.10 7.7 17 -76
> 14.20 7.3 15 -67
> 14.30 7 13 -61
> 14.40 6.7 12 -55
> 14.50 6.5 12 -51
> 14.75 6.5 9 -41
> 15.00 7.2 6 -31
> 15.25 7.2 6 -23
> 15.50 6.5 6 -15
> 15.75 5.6 8 -8
> 16.00 4.7 9 -3
>
> Thanks in advance for your help
>
> ~73
> Don
> KD8NNU
>
> [Non-text portions of this message have been removed]
>
>
>
>

20509. Re: [ham-antennas] 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 10:07:11 UTC
From: Benjamin Straw - KC9UNS
Topic: 20505 Message: 20509

Here is where you can find it http://www.hamuniverse.com/antennas.html

Sent from my iPhone "Grammar mistakes are all on the iPhone"

On Nov 10, 2011, at 2:14 AM, Dennis Wyman <wdwyman@...> wrote:

> Give these two sights a look, one of these may be the one you saw...
> http://www.iw5edi.com/ham-radio/files/Simple_J.pdf
> http://www.n7qvc.com/amateur_radio/copper.html
>
> Dennis(KA6GDT)
>
> --
>
> On 11/9/2011 8:41 PM, Military1 wrote:
> >
> > I saw a recent post which described and had a picture/drawing of a
> > 2M/440 antenna which was made from two 20" lengths of copper pipe and
> > a 1/4 wave length of PVC piping. The write up also addressed a 5 turn
> > choke. For the life of me I can not find where that posting was. Can
> > anyone provide the same information or direct me to the information.
> > Thank you very much.
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

20510. Re: 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 13:54:31 UTC
From: tivoligardens@yahoo.com
Topic: 20463 Message: 20510

If I am using rg8 and 1/4 pvc is the diameter of the piple large enought if I may 5-6 turns ?

Hal w4hal

--- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@...> wrote:
>
> Sorry James,
> You are correct, Dipole is balanced, but the coax is Unbalanced.
> 73 Ken
>
>
> PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
>
>
>
> _____
> From: Ken Burchfield <k5jxl@...>
> To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
> Sent: Wednesday, November 9, 2011 2:43 PM
> Subject: Re: [ham-antennas] Re: 2m Vertical dipole
>
> James,
> Didn't you mean to say unbalanced ?
>
>
> A dipole is an balanced antenna when the feedline comes away from it at a right angle.
>
> 73 Ken
>
> PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
>
>
>
> _____
> From: James <k9jfk@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, November 9, 2011 1:02 PM
> Subject: [ham-antennas] Re: 2m Vertical dipole
>
>

> Hi Benjamin...
>
> A dipole is an balanced antenna when the feedline comes away from it at a right angle. If the angle of the feedline is not 90 degrees, then you need a common mode choke; they can be ferrite or a couple of turns of the feedline. For a single band 2m antenna, 4 or 5 turns should be fine.
>
> I also have a vertical end-fed dipole, but its made entirely from coax. It hangs in the rafters, just in case I loose my outside co-linear. Take some coax, cut the outer insulation back around 21 inches, exposing the shield; then pull the shield braid back over the uncut coax. Tape the end of the braid about 20 inches away from the cut. Use the extra inch from the exposed center conductor to form a loop that will hang over a nail in the rafters. Put four or five turns in the coax below the radiator to make a common mode choke. I've made these with both 50 and 75 ohm cables... they work fine, and there is no problem with hitting all the local repeaters with a handheld. I've never put a connector on at the antenna, but only at the radio connection point.... so it's all one piece.
>
> This type of antenna doesn't give up much, if anything, to the j-pole or ground plane....
>
> http://www.hamradio.me/antennas/jpole-vs-coaxial-dipole-eznec-shootout.html
>
> OK... found this on HamUniverse...
>
> http://www.hamuniverse.com/vertbazooka.html
>
> .... check out the picture above the mounting pole.... these are very simple antennas. I've had no problem making both "ends" of the antenna 20 inches long. The article calculates the top section at about 20 inches, and then uses a velocity factor for calculating the section of shield that slides over the coax... make no sense to me. Changes the length of that section according to the vf of coax center insulation even though the "outer" section of the shield is facing the "outer" section of itself after pulling the braid over. The VF of a transmission line has nothing to do with the outer insulation. Personally, I'd just make both lengths the same. "Tuning", if there is a problem can be done by pushing or pulling on the braid; the upper section can be shortened by making the nailing loop bigger or smaller.
>
> My current version of this antenna is one continuous 40ft piece of RG6. And don't forget to wind a common mode choke into the transmission line after the antenna.
>
> Also... if anyone has good explanation of why the author of the above article is using vf to correct for the shield leg of the antenna... I'm listening.
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com, Benjamin Straw - KC9UNS
> <kc9uns@> wrote:
> >
> > Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into

the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
> > What could it be?
> > Ben KC9UNS
> >
> > Grammar mistakes are all on the iPhone
> >
>
>
>
>
> ----------
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@...m
> Yahoo! Groups Links
>
>
>
> [Non-text portions of this message have been removed]
>

20511. difference between using a whip or hollow aluminium tubing

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 13:58:46 UTC
From: tivoligardens@yahoo.com
Topic: 20511 Message: 20511

If I am build an antenna is there a diffence in using the wip part of a stainless steel cb antenna or hollow aluminum tubing like what is on a roof top tv antenna ?

Hal w4hal

20512. Re: 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 15:09:24 UTC
From: Military1
Topic: 20505 Message: 20512

Thank you for the prompt response and information and links. This is what I was looking for. I wanted to build an inexpensive 2M base antenna to support a Yaesu FT-2600M I recently picked up. All the examples you pointed me too will work.
In regard to the 2M/440 verticle, what is the signifigance of the 1/4 wave PVC section and I take it that is a 1/4 wave on 2M. Being PVC, what does that section do for you? Or am I off base or missing the obvious here? Have a great day.

--- In ham-antennas@yahoogroups.com, Benjamin Straw - KC9UNS <kc9uns@...> wrote:
>
> Here is where you can find it http://www.hamuniverse.com/antennas.html
>
> Sent from my iPhone "Grammar mistakes are all on the iPhone"
>
> On Nov 10, 2011, at 2:14 AM, Dennis Wyman <wdwyman@...> wrote:
>
> > Give these two sights a look, one of these may be the one you saw...
> > http://www.iw5edi.com/ham-radio/files/Simple_J.pdf
> > http://www.n7qvc.com/amateur_radio/copper.html
> >
> > Dennis(KA6GDT)
> >
> > --
> >
> > On 11/9/2011 8:41 PM, Military1 wrote:
> > >
> > > I saw a recent post which described and had a picture/drawing of a
> > > 2M/440 antenna which was made from two 20" lengths of copper pipe and
> > > a 1/4 wave length of PVC piping. The write up also addressed a 5 turn
> > > choke. For the life of me I can not find where that posting was. Can
> > > anyone provide the same information or direct me to the information.
> > > Thank you very much.
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

20513. Re: [ham-antennas] Re: 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 15:50:38 UTC
From: Ed Stewart
Topic: 20505 Message: 20513

My cousin just gave me a 2 meter i/2 copper pipe J-pole, any recommended
way to mount on a metal roof?

On 11/10/2011 10:09 AM, Military1 wrote:
>
> Thank you for the prompt response and information and links. This is
> what I was looking for. I wanted to build an inexpensive 2M base
> antenna to support a Yaesu FT-2600M I recently picked up. All the
> examples you pointed me too will work.
> In regard to the 2M/440 verticle, what is the signifigance of the 1/4
> wave PVC section and I take it that is a 1/4 wave on 2M. Being PVC,
> what does that section do for you? Or am I off base or missing the
> obvious here? Have a great day.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Benjamin Straw - KC9UNS
> <kc9uns@...> wrote:
> >
> > Here is where you can find it http://www.hamuniverse.com/antennas.html
> >
> > Sent from my iPhone "Grammar mistakes are all on the iPhone"
> >
> > On Nov 10, 2011, at 2:14 AM, Dennis Wyman <wdwyman@...> wrote:
> >
> > > Give these two sights a look, one of these may be the one you saw...
> > > http://www.iw5edi.com/ham-radio/files/Simple_J.pdf
> > > http://www.n7qvc.com/amateur_radio/copper.html
> > >
> > > Dennis(KA6GDT)
> > >
> > > --
> > >
> > > On 11/9/2011 8:41 PM, Military1 wrote:
> > > >
> > > > I saw a recent post which described and had a picture/drawing of a
> > > > 2M/440 antenna which was made from two 20" lengths of copper
> pipe and
> > > > a 1/4 wave length of PVC piping. The write up also addressed a 5
> turn
> > > > choke. For the life of me I can not find where that posting was.
> Can
> > > > anyone provide the same information or direct me to the
> information.
> > > > Thank you very much.
> > > >

> > > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

[Non-text portions of this message have been removed]

20514. Re: [ham-antennas] difference between using a whip or hollow aluminium tubing

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 15:54:26 UTC
From: Artekmedia
Topic: 20511 Message: 20514

Not enough difference to worry about from an antenna efficiency point of view
Dave, NR1DX

On 11/10/2011 7:58 AM, tivoligardens@... wrote:
>
> If I am build an antenna is there a diffence in using the wip part of
> a stainless steel cb antenna or hollow aluminum tubing like what is on
> a roof top tv antenna ?
>
> Hal w4hal
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20515. RE: AW: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 18:03:08 UTC
From: goldtr8@charter.net
Topic: 20501 Message: 20515

Hi Siegfried,

Thank you for the reply. I currently have a 1:1 balun and the antenna does work.

What I am really looking or help on is how to understand what the data that I measured is telling me. In other words is it possible to determine from the data that the loop is short or too long for 160m frequencies. Can this data be used to help explain why it is so much weaker in RX and TX than a dipole. Can the data help predict if I move it higher and leave the length alone that it would work better and tune better at 160m or other frequencies.

Maybe the whole measurement process with a loop using ladder line to a current balun to coax is not a valid thing to do.

Basically I want to try and analyze the data, then make a prediction to a change and then make the change. Right now I don't know what if anything the data is telling me and my background in test engineering is telling me that before I make changes I should be able to measure, predict, make change and verify. My problem is the predict part I don't know the math. If this were a structures problem then its P/A or load divided by the area to get stress or the square root of k/m for natural frequencies.

So I know there is math involved and now I want to learn it, but I need a direction or example to point me in the right direction.

Thanks
Don

~73
Don
KD8NNU

On Thu, Nov 10, 2011 at 4:01 AM, Siegfried Jackstien wrote:

You have to use a higher ratio balun
Then this setup should work
I jave nearly the same setup (168m deltaloop fed at a corner) but I switch
feedindline length for the lower bands
On fundamental and first harmonic the impedance of such a low hanging loop
is lower ans the 200 ohms ... so a 1:4 does not work well
Here my solution:

Lets start with 80m
Feeding that loop with 60 feet of ladderline transforms the low
impedance to
higher value (quarterwave transformer) ...
Now the higher ratio balun can do its job
On 160 I just add another 20m (now a bit shorter after finetuning) and I
have the same thing ... ladderline transforms low impedance up
On 40m (and above) the impedance of the loop is higher (a few hundred
ohms)
so the ladderline is almost matched and does not transform ... but on
the
lower end is that high ratio balun bringing the higher impedance back
down
With that setup I can work all bands ... and many of them without any
tuner
needed at all!!
I had some shorter lengths of ladderline that were left over from some
fieldday projects
And with these parts I tried different lengths till I found that
solution
Gretz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> [mailto: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>] Im Auftrag von goldtr8@...
> <javascript:parent.wgMail.openComposeWindow('goldtr8@...')>
> Gesendet: Donnerstag, 10. November 2011 02:38 An:
> ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> Betreff: [ham-antennas] How should I interpret swr data from my loop
> antenna
>
>
>
> Dear Group I have just installed a 160m loop antenna that is
> approximately 20ft high. Performance wise other than at 80m it appears
> to be substantially weaker than my trapped dipole which is at 30 feet,
> on 80 it is equal or better in performance. I define weaker by
> approximately 2 s units less in power and weaker TX signal reports
> when I have a qso with someone.
> With the above stated I have taken measurements with my antenna
> analyzer and would like help in understanding the data. Does is
> suggest that the loop should be longer or shorter. Does it give
> insight on ground coupling as am I correct that it is to close to the
> ground.
> Basically I have the data but I really dont know if it is telling me

> anything at all.
> Right now I am looking into ways to raise the antenna between 30 and
> 40 ft, but before I take the wire down, I want to understand what the
> data is telling me so if I need to make other adjustments to length I
> can do it. I have data so just guessing on what to do next is not good
> engineering practice. My problem is I am a mechanical guy not an
> electrical guy.
> Below is the data I measured with my antenna analyzer.
> FRQ SWR R X 1.77 14.9 3 -41 1.80 16 3 -38 1.83 16 2 -37 1.85 16.5 2
> -35 1.90 16.5 2 -32 1.95 16.5 2 -30 2.00 16 2 -27 2.10 14.9 2 -22 2.20
> 13.1 3 -17 2.30 10.5 4 -12 2.40 8.2 5 -7 2.50 5.6 8 -4 2.60 3.3 15 7
> 2.70 1.8 29 8 2.75 1.5 34 8 2.80 1.8 31 6 2.85 2.4 23 20 2.90 3.1 17
> -18 3.00 4.7 9 -13 3.10 5.7 7 -7 3.20 5.8 7 -3 3.30 5.4 8 8 3.40 4.6 9
> 13 3.50 3.5 13 19 3.60 2.4 22 21 3.70 1.6 33 -12 3.75 1.5 33 -7 3.80
> 1.7 28 -5 3.90 2.6 19 -5 4.00 3.9 12 6 4.10 5.2 8 10 4.20 6.5 6 15
> 4.30 7.2 6 20 4.40 7.6 5 24 4.50 7.5 5 20 4.60 6.9 6 35 4.70 6 8 40
> 4.80 5 12 45 4.90 4 17 47 5.00 3.8 19 46 5.10 4.3 16 46 5.20 5.5 13 49
> 5.30 6.9 11 56 5.50 9.4 10 74 5.75 10.5 16 108 6.00 9.8 49 170 6.20
> 8.1 162 227 6.50 6.9 337 136 6.75 9.1 217 263 7.00 10.8 49 -172 7.10
> 11.1 29 -144 7.20 11.1 21 -120 7.30 11.1 15 -105 7.40 10.8 12 -90 7.50
> 10.3 10 -78 7.60 9.4 9 -69 7.70 8.4 9 -61 7.80 7.3 9 -54 7.90 6.3 10
> -50 8.00 5.9 10 -47 8.10 6.1 10 -45 8.20 6.8 8 -41 8.30 7.5 6 -37 8.50
> 8.2 4 -29 8.75 7.9 4 -20 9.00 6.5 6 -10 9.25 4.3 11 -4 9.50 3.1 15 -3
> 9.75 3.8 12 4 10.00 4 12 13 10.25 3 17 9 10.50 2.3 24 20 10.75 2.8 20
> 20 11.00 3.5 17 28 11.25 3.5 20 38 11.50 3.1 26 44 11.75 3.6 26 49
> 12.00 4.9 25 64 12.25 6.1 32 90 12.50 6.9 61 134 12.75 6.7 169 179
> 13.00 6 296 -113 13.25 6.5 226 -174 13.50 7.5 88 -166 13.75 7.9 38
> -119 14.00 7.9 20 -85 14.10 7.7 17 -76 14.20 7.3 15 -67 14.30 7 13 -61
> 14.40 6.7 12 -55 14.50 6.5 12 -51 14.75 6.5 9 -41 15.00 7.2 6 -31
> 15.25 7.2 6 -23 15.50 6.5 6 -15 15.75 5.6 8 -8 16.00 4.7 9 -3
> Thanks in advance for your help
> ~73 Don KD8NNU
> [Non-text portions of this message have been removed]
>
>
>

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20516. RE: [ham-antennas] difference between using a whip or hollow aluminium tubing

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 18:18:53 UTC
From: Richard Schmuke
Topic: 20511 Message: 20516

Subject: [ham-antennas] difference between using a whip or hollow aluminium tubing

If I am build an antenna is there a diffence in using the wip part of a stainless steel cb antenna or hollow aluminum tubing like what is on a roof top tv antenna ?

Hal w4hal

I would use whatever one is easier for you to build the antenna with. If portable I would use SS, for use at home, whatever is simpler to work with. There might be a very slight bandwidth advantage with tubing but I don't think it would make much difference until the diameter was larger.

Rich . Kd0zz

[Non-text portions of this message have been removed]

20517. Re: [ham-antennas] Re: 2m Vertical dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 19:01:30 UTC
From: Ken Burchfield
Topic: 20463 Message: 20517

Hal,
If you use 1-1/4 " PVC pipe that pipe should be large enough
to wrap 5 or 6 turns on it.
I think that 1/4 is a typo

73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: "tivoligardens@..." <tivoligardens@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 10, 2011 7:54 AM
Subject: [ham-antennas] Re: 2m Vertical dipole

If I am using rg8 and 1/4 pvc is the diameter of the piple large enought if I may 5-6 turns
?

Hal w4hal

--- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@...> wrote:
>
> Sorry James,
> You are correct, Dipole is balanced, but the coax is Unbalanced.
> 73 Ken
>
>
> PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200
Baud
>
>
>
>
> ---
> From: Ken Burchfield <k5jxl@...>
> To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
> Sent: Wednesday, November 9, 2011 2:43 PM
> Subject: Re: [ham-antennas] Re: 2m Vertical dipole
>
> James,
> Didn't you mean to say unbalanced ?
>
>
> A dipole is an balanced antenna when the feedline comes away from it at a right angle.
>
> 73 Ken

>
> PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
>
>
>
> _____
> From: James <k9jfk@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, November 9, 2011 1:02 PM
> Subject: [ham-antennas] Re: 2m Vertical dipole
>
>
> Hi Benjamin...
>
> A dipole is an balanced antenna when the feedline comes away from it at a right angle. If the angle of the feedline is not 90 degrees, then you need a common mode choke; they can be ferrite or a couple of turns of the feedline. For a single band 2m antenna, 4 or 5 turns should be fine.
>
> I also have a vertical end-fed dipole, but its made entirely from coax. It hangs in the rafters, just in case I loose my outside co-linear. Take some coax, cut the outer insulation back around 21 inches, exposing the shield; then pull the shield braid back over the uncut coax. Tape the end of the braid about 20 inches away from the cut. Use the extra inch from the exposed center conductor to form a loop that will hang over a nail in the rafters. Put four or five turns in the coax below the radiator to make a common mode choke. I've made these with both 50 and 75 ohm cables... they work fine, and there is no problem with hitting all the local repeaters with a handheld. I've never put a connector on at the antenna, but only at the radio connection point.... so it's all one piece.
>
> This type of antenna doesn't give up much, if anything, to the j-pole or ground plane....
>
> http://www.hamradio.me/antennas/jpole-vs-coaxial-dipole-eznec-shootout.html
>
> OK... found this on HamUniverse...
>
> http://www.hamuniverse.com/vertbazooka.html
>
> .... check out the picture above the mounting pole.... these are very simple antennas. I've had no problem making both "ends" of the antenna 20 inches long. The article calculates the top section at about 20 inches, and then uses a velocity factor for calculating the section of shield that slides over the coax... make no sense to me. Changes the length of that section according to the vf of coax center insulation even though the "outer" section of the shield is facing the "outer" section of itself after pulling the braid over. The VF of a transmission line has nothing to do with the outer insulation. Personally, I'd just make both lengths the same. "Tuning", if there is a problem can be done by pushing or pulling on the braid; the upper section can be shortened by making the nailing loop bigger or smaller.
>

> My current version of this antenna is one continuous 40ft piece of RG6. And don't forget to wind a common mode choke into the transmission line after the antenna.
>
> Also... if anyone has good explanation of why the author of the above article is using vf to correct for the shield leg of the antenna... I'm listening.
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com, Benjamin Straw - KC9UNS
> <kc9uns@> wrote:
> >
> > Hey guys I have a weird problem, I made a 2 meter vertical dipole, it's 20in x 20in 3/4in copper tube with a 1/4in spacer all of this is in a 1in/3ft PVC pipe. The coax is ran though the ground side and out a hole of the spacer and PVC. Sheet screws are drilled into the PVC and copper for the connections. Here is where it gets weird, the swr bounces around(yes if you let it sit on one freq it bounces) 2.3 60 ohm at both ends of the 2m freq now if I touch the coax the swr goes down to 1.8 with an ohm of 80, if I lower the antenna to the ground it also does down but doesn't bounce!
> > What could it be?
> > Ben KC9UNS
> >
> > Grammar mistakes are all on the iPhone
> >
>
>
>
>
> ------------------------
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
> [Non-text portions of this message have been removed]
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20518. RE: AW: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 19:33:40 UTC
From: Richard Schmuke
Topic: 20501 Message: 20518

I take my measurements at the feed point of the loop. It is a delta. Mine is a 80M size, then tweaked to a 1:1 SWR in the middle of the 20M phone band and I use it 40 thru 10m.

I am surprised you are not resonate and 1:1 somewhere. Do you need a 4:1 balun?

I use a 4:1 duel rod current balun at the apex and RG-8 type to the rig

You might want to try a switchable 1:1/4:1 balun, that is what I use on my 135ft dipole that is feed with 450 ohm ladder line and different bands come in better at different balun settings.

Just thinking and still confused, Rich , Kd0zz

')>
> Betreff: [ham-antennas] How should I interpret swr data from my loop
> antenna
>
>
>
> Dear Group I have just installed a 160m loop antenna that is
> approximately 20ft high. Performance wise other than at 80m it appears
> to be substantially weaker than my trapped dipole which is at 30 feet,
> on 80 it is equal or better in performance. I define weaker by
> approximately 2 s units less in power and weaker TX signal reports
> when I have a qso with someone.
> With the above stated I have taken measurements with my antenna
> analyzer and would like help in understanding the data. Does is
> suggest that the loop should be longer or shorter. Does it give
> insight on ground coupling as am I correct that it is to close to the
> ground.
> Basically I have the data but I really dont know if it is telling me
> anything at all.
> Right now I am looking into ways to raise the antenna between 30 and
> 40 ft, but before I take the wire down, I want to understand what the
> data is telling me so if I need to make other adjustments to length I
> can do it. I have data so just guessing on what to do next is not good
> engineering practice. My problem is I am a mechanical guy not an
> electrical guy.
> Below is the data I measured with my antenna analyzer.
> FRQ SWR R X 1.77 14.9 3 -41 1.80 16 3 -38 1.83 16 2 -37 1.85 16.5 2
> -35 1.90 16.5 2 -32 1.95 16.5 2 -30 2.00 16 2 -27 2.10 14.9 2 -22 2.20
> 13.1 3 -17 2.30 10.5 4 -12 2.40 8.2 5 -7 2.50 5.6 8 -4 2.60 3.3 15 7
> 2.70 1.8 29 8 2.75 1.5 34 8 2.80 1.8 31 6 2.85 2.4 23 20 2.90 3.1 17
> -18 3.00 4.7 9 -13 3.10 5.7 7 -7 3.20 5.8 7 -3 3.30 5.4 8 8 3.40 4.6 9
> 13 3.50 3.5 13 19 3.60 2.4 22 21 3.70 1.6 33 -12 3.75 1.5 33 -7 3.80

> 1.7 28 -5 3.90 2.6 19 -5 4.00 3.9 12 6 4.10 5.2 8 10 4.20 6.5 6 15
> 4.30 7.2 6 20 4.40 7.6 5 24 4.50 7.5 5 20 4.60 6.9 6 35 4.70 6 8 40
> 4.80 5 12 45 4.90 4 17 47 5.00 3.8 19 46 5.10 4.3 16 46 5.20 5.5 13 49
> 5.30 6.9 11 56 5.50 9.4 10 74 5.75 10.5 16 108 6.00 9.8 49 170 6.20
> 8.1 162 227 6.50 6.9 337 136 6.75 9.1 217 263 7.00 10.8 49 -172 7.10
> 11.1 29 -144 7.20 11.1 21 -120 7.30 11.1 15 -105 7.40 10.8 12 -90 7.50
> 10.3 10 -78 7.60 9.4 9 -69 7.70 8.4 9 -61 7.80 7.3 9 -54 7.90 6.3 10
> -50 8.00 5.9 10 -47 8.10 6.1 10 -45 8.20 6.8 8 -41 8.30 7.5 6 -37 8.50
> 8.2 4 -29 8.75 7.9 4 -20 9.00 6.5 6 -10 9.25 4.3 11 -4 9.50 3.1 15 -3
> 9.75 3.8 12 4 10.00 4 12 13 10.25 3 17 9 10.50 2.3 24 20 10.75 2.8 20
> 20 11.00 3.5 17 28 11.25 3.5 20 38 11.50 3.1 26 44 11.75 3.6 26 49
> 12.00 4.9 25 64 12.25 6.1 32 90 12.50 6.9 61 134 12.75 6.7 169 179
> 13.00 6 296 -113 13.25 6.5 226 -174 13.50 7.5 88 -166 13.75 7.9 38
> -119 14.00 7.9 20 -85 14.10 7.7 17 -76 14.20 7.3 15 -67 14.30 7 13 -61
> 14.40 6.7 12 -55 14.50 6.5 12 -51 14.75 6.5 9 -41 15.00 7.2 6 -31
> 15.25 7.2 6 -23 15.50 6.5 6 -15 15.75 5.6 8 -8 16.00 4.7 9 -3
> Thanks in advance for your help
> ~73 Don KD8NNU
> [Non-text portions of this message have been removed]
>
>
>

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com> ')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20519. Re: [ham-antennas] 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 19:37:25 UTC
From: Ken Burchfield
Topic: 20505 Message: 20519

Attached is 2 files some what as you described.
I could not locate one matching your request.
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Military1 <buma7@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 9, 2011 10:41 PM
Subject: [ham-antennas] 2M/440 copper pipe verticle

I saw a recent post which described and had a picture/drawing of a 2M/440 antenna which was made from two 20" lengths of copper pipe and a 1/4 wave length of PVC piping. The write up also addressed a 5 turn choke. For the life of me I can not find where that posting was. Can anyone provide the same information or direct me to the information. Thank you very much.

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20520. Re: [ham-antennas] 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 20:25:36 UTC
From: Adrian Flynn
Topic: 20505 Message: 20520

Ken,
Attachments get stripped going through the reflector.
73
Adrian KF7DYU

On Thu, Nov 10, 2011 at 2:37 PM, Ken Burchfield <k5jxl@...> wrote:

> **
>
>
> Attached is 2 files some what as you described.
> I could not locate one matching your request.
> 73 Ken
>
>
> PacketRadio is Still
> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
> _____
> From: Military1 <buma7@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, November 9, 2011 10:41 PM
> Subject: [ham-antennas] 2M/440 copper pipe verticle
>
>
> I saw a recent post which described and had a picture/drawing of a 2M/440
> antenna which was made from two 20" lengths of copper pipe and a 1/4 wave
> length of PVC piping. The write up also addressed a 5 turn choke. For the
> life of me I can not find where that posting was. Can anyone provide the
> same information or direct me to the information. Thank you very much.
>
> ------------------------------------
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>

> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

20521. Re: 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 21:39:57 UTC
From: faygopaygo
Topic: 20505 Message: 20521

Ed,

The proper way to mount this antenna on a metal roof is simple, DON"T!!!!! The J-Pole does not need a ground plane and in fact will couple with any surrounding metal objects which will degrade or change the radiation pattern. The best way to mount a J-Pole is in the clear on a non-conducting mast like wood as high as you can get it. Also recommended by many is the use of a choke to prevent common mode current flow on your coax. These are usually in the form of ferrite beads or an air(ugly)choke balun, etc. There are many posts on these, so do a search on "choke" or "common mode current"

I have a Plumbers(copper tube) J-Pole also and don't use a balun and it seems to work OK. I have never done any testing to see if a balun helps any.

Hope this helps.

Randy
KG6WCA

--- In ham-antennas@yahoogroups.com, Ed Stewart <stewart.ed@...> wrote:
>
> My cousin just gave me a 2 meter i/2 copper pipe J-pole, any recommended
> way to mount on a metal roof?
>
> On 11/10/2011 10:09 AM, Military1 wrote:
> >
> > Thank you for the prompt response and information and links. This is
> > what I was looking for. I wanted to build an inexpensive 2M base
> > antenna to support a Yaesu FT-2600M I recently picked up. All the
> > examples you pointed me too will work.
> > In regard to the 2M/440 verticle, what is the signifigance of the 1/4
> > wave PVC section and I take it that is a 1/4 wave on 2M. Being PVC,
> > what does that section do for you? Or am I off base or missing the
> > obvious here? Have a great day.
> >
> > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, Benjamin Straw - KC9UNS
> > <kc9uns@> wrote:
> > >
> > > Here is where you can find it http://www.hamuniverse.com/antennas.html
> > >
> > > Sent from my iPhone "Grammar mistakes are all on the iPhone"
> > >
> > > On Nov 10, 2011, at 2:14 AM, Dennis Wyman <wdwyman@> wrote:
> > >
> > > > Give these two sights a look, one of these may be the one you saw...
> > > > http://www.iw5edi.com/ham-radio/files/Simple_J.pdf

> > > > http://www.n7qvc.com/amateur_radio/copper.html
> > > >
> > > > Dennis(KA6GDT)
> > > >
> > > > --
> > > >
> > > > On 11/9/2011 8:41 PM, Military1 wrote:
> > > > >
> > > > > I saw a recent post which described and had a picture/drawing of a
> > > > > 2M/440 antenna which was made from two 20" lengths of copper
> > pipe and
> > > > > a 1/4 wave length of PVC piping. The write up also addressed a 5
> > turn
> > > > > choke. For the life of me I can not find where that posting was.
> > Can
> > > > > anyone provide the same information or direct me to the
> > information.
> > > > > Thank you very much.
> > > > >
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> > >
> >
> >
> [Non-text portions of this message have been removed]
>

20522. AW: AW: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 21:46:56 UTC
From: Siegfried Jackstien
Topic: 20501 Message: 20522

Hmm i did the tuning with cutntry :-)
Made several runs (and made an excel sheet for my notes cause I checked it
on all bands, changed a thing ... checked again ...
Finally I found a solution that fits my needs
No tuner needed on most bands ... and on the other swr is quite low ... so
even if there I need a slght tuning the losses are low
Can you add another length of ladderline easy (maybe with banana plugs for
fast switching like I do it here) ???
The problem is (or not a problem but a thing to consider) the whole setup
has to be resonant ... antenna and feedingline
And from your numbers I can see only the resonance on 80m
Why the loop is performing

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von goldtr8@...
> Gesendet: Donnerstag, 10. November 2011 18:03
> An: ham-antennas@yahoogroups.com
> Betreff: RE: AW: [ham-antennas] How should I interpret swr data from my
> loop antenna
>
>
>
>
> Hi Siegfried,
>
> Thank you for the reply. I currently have a 1:1 balun and the antenna
> does work.
>
> What I am really looking or help on is how to understand what the data
> that I measured is telling me. In other words is it possible to
> determine from the data that the loop is short or too long for 160m
> frequencies. Can this data be used to help explain why it is so much
> weaker in RX and TX than a dipole. Can the data help predict if I move
> it higher and leave the length alone that it would work better and tune
> better at 160m or other frequencies.
>
> Maybe the whole measurement process with a loop using ladder line to a
> current balun to coax is not a valid thing to do.
>
> Basically I want to try and analyze the data, then make a prediction to
> a change and then make the change. Right now I don't know what if
> anything the data is telling me and my background in test engineering is
> telling me that before I make changes I should be able to measure,

> predict, make change and verify. My problem is the predict part I
> don't know the math. If this were a structures problem then its P/A or
> load divided by the area to get stress or the square root of k/m for
> natural frequencies.
>
> So I know there is math involved and now I want to learn it, but I need
> a direction or example to point me in the right direction.
>
> Thanks
> Don
>
> ~73
> Don
> KD8NNU
>
> On Thu, Nov 10, 2011 at 4:01 AM, Siegfried Jackstien wrote:
>
> You have to use a higher ratio balun
> Then this setup should work
> I jave nearly the same setup (168m deltaloop fed at a corner) but I
> switch
> feedindline length for the lower bands
> On fundamental and first harmonic the impedance of such a low hanging
> loop
> is lower ans the 200 ohms ... so a 1:4 does not work well
> Here my solution:
> Lets start with 80m
> Feeding that loop with 60 feet of ladderline transforms the low
> impedance to
> higher value (quarterwave transformer) ...
> Now the higher ratio balun can do its job
> On 160 I just add another 20m (now a bit shorter after finetuning) and I
> have the same thing ... ladderline transforms low impedance up
> On 40m (and above) the impedance of the loop is higher (a few hundred
> ohms)
> so the ladderline is almost matched and does not transform ... but on
> the
> lower end is that high ratio balun bringing the higher impedance back
> down
> With that setup I can work all bands ... and many of them without any
> tuner
> needed at all!!
> I had some shorter lengths of ladderline that were left over from some
> fieldday projects
> And with these parts I tried different lengths till I found that
> solution
> Gretz
> Sigi
> Dg9bfc
>

> > -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > [mailto: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> >] Im Auftrag von goldtr8@... <mailto:goldtr8%40charter.net>
> > <javascript:parent.wgMail.openComposeWindow('goldtr8@charter.net
> <mailto:%27goldtr8%40charter.net> ')>
> > Gesendet: Donnerstag, 10. November 2011 02:38 An:
> > ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > Betreff: [ham-antennas] How should I interpret swr data from my loop
> > antenna
> >
> >
> >
> > Dear Group I have just installed a 160m loop antenna that is
> > approximately 20ft high. Performance wise other than at 80m it appears
> > to be substantially weaker than my trapped dipole which is at 30 feet,
> > on 80 it is equal or better in performance. I define weaker by
> > approximately 2 s units less in power and weaker TX signal reports
> > when I have a qso with someone.
> > With the above stated I have taken measurements with my antenna
> > analyzer and would like help in understanding the data. Does is
> > suggest that the loop should be longer or shorter. Does it give
> > insight on ground coupling as am I correct that it is to close to the
> > ground.
> > Basically I have the data but I really dont know if it is telling me
> > anything at all.
> > Right now I am looking into ways to raise the antenna between 30 and
> > 40 ft, but before I take the wire down, I want to understand what the
> > data is telling me so if I need to make other adjustments to length I
> > can do it. I have data so just guessing on what to do next is not good
> > engineering practice. My problem is I am a mechanical guy not an
> > electrical guy.
> > Below is the data I measured with my antenna analyzer.
> > FRQ SWR R X 1.77 14.9 3 -41 1.80 16 3 -38 1.83 16 2 -37 1.85 16.5 2
> > -35 1.90 16.5 2 -32 1.95 16.5 2 -30 2.00 16 2 -27 2.10 14.9 2 -22 2.20
> > 13.1 3 -17 2.30 10.5 4 -12 2.40 8.2 5 -7 2.50 5.6 8 -4 2.60 3.3 15 7
> > 2.70 1.8 29 8 2.75 1.5 34 8 2.80 1.8 31 6 2.85 2.4 23 20 2.90 3.1 17
> > -18 3.00 4.7 9 -13 3.10 5.7 7 -7 3.20 5.8 7 -3 3.30 5.4 8 8 3.40 4.6 9
> > 13 3.50 3.5 13 19 3.60 2.4 22 21 3.70 1.6 33 -12 3.75 1.5 33 -7 3.80
> > 1.7 28 -5 3.90 2.6 19 -5 4.00 3.9 12 6 4.10 5.2 8 10 4.20 6.5 6 15
> > 4.30 7.2 6 20 4.40 7.6 5 24 4.50 7.5 5 20 4.60 6.9 6 35 4.70 6 8 40
> > 4.80 5 12 45 4.90 4 17 47 5.00 3.8 19 46 5.10 4.3 16 46 5.20 5.5 13 49
> > 5.30 6.9 11 56 5.50 9.4 10 74 5.75 10.5 16 108 6.00 9.8 49 170 6.20

> > 8.1 162 227 6.50 6.9 337 136 6.75 9.1 217 263 7.00 10.8 49 -172 7.10
> > 11.1 29 -144 7.20 11.1 21 -120 7.30 11.1 15 -105 7.40 10.8 12 -90 7.50
> > 10.3 10 -78 7.60 9.4 9 -69 7.70 8.4 9 -61 7.80 7.3 9 -54 7.90 6.3 10
> > -50 8.00 5.9 10 -47 8.10 6.1 10 -45 8.20 6.8 8 -41 8.30 7.5 6 -37 8.50
> > 8.2 4 -29 8.75 7.9 4 -20 9.00 6.5 6 -10 9.25 4.3 11 -4 9.50 3.1 15 -3
> > 9.75 3.8 12 4 10.00 4 12 13 10.25 3 17 9 10.50 2.3 24 20 10.75 2.8 20
> > 20 11.00 3.5 17 28 11.25 3.5 20 38 11.50 3.1 26 44 11.75 3.6 26 49
> > 12.00 4.9 25 64 12.25 6.1 32 90 12.50 6.9 61 134 12.75 6.7 169 179
> > 13.00 6 296 -113 13.25 6.5 226 -174 13.50 7.5 88 -166 13.75 7.9 38
> > -119 14.00 7.9 20 -85 14.10 7.7 17 -76 14.20 7.3 15 -67 14.30 7 13 -61
> > 14.40 6.7 12 -55 14.50 6.5 12 -51 14.75 6.5 9 -41 15.00 7.2 6 -31
> > 15.25 7.2 6 -23 15.50 6.5 6 -15 15.75 5.6 8 -8 16.00 4.7 9 -3
> > Thanks in advance for your help
> > ~73 Don KD8NNU
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
>
>
>

20523. Re: AW: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 21:56:56 UTC
From: Artekmedia
Topic: 20501 Message: 20523

The data indicates that the antenna is slightly short based on the "X"
portion going crossing zero around 2.55 MHz

I would definitely retake the measurements directly at the antenna with
out the balun before drawing any final conclusion . Baluns do not always
behave the way theory predicts

Dave
NR1DX

On 11/10/2011 12:03 PM, goldtr8@... wrote:
>
>
>
> What I am really looking or help on is how to understand what the data
> that I measured is telling me. In other words is it possible to
> determine from the data that the loop is short or too long for 160m
> frequencies. Can this data be used to help explain why it is so much
> weaker in RX and TX than a dipole. Can the data help predict if I move
> it higher and leave the length alone that it would work better and tune
> better at 160m or other frequencies.
>
> Maybe the whole measurement process with a loop using ladder line to a
> current balun to coax is not a valid thing to do.
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20524. AW: AW: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 22:00:01 UTC
From: Siegfried Jackstien
Topic: 20501 Message: 20524

First went out too early :-)
So
Why your loop is giving lower results as your dipole?
I am guessing that you made local nvis contacts to compare?
The 2wl loop has lower gain straight upwards (a hole in he pattern)
And that is the reason why on 80 it is (a bit) lower in signal as your
dipole
But can be stronger to more distant stations!
From 40m upwards the antenna is high enough to show low angle gain
Just worked with a zl2 stn yesterday on 20m
No beam on my side and only a 3 element jr on the other
100% copy over a 18000km path!
With only 50w on both sides!
On the higher bands the pattern is a bit destructed (cloverleaf pattern)
but that does not hurt
Actually I would say it is almost omni-directional on the higher bands
Sometimes when conditions change during a qso I have situations where the
signal drops down ... then I just switch to my vertical and the signal is
high again ... when the a few seconds later signal drops on the vertical I
just switch again to the loop and most of the times the signal is high again
on the loop ... that is the reson to have more antennas for the bands ....
sometimes one antenna is better and a few seconds later the other antenna
(especially on the higher bands when conditions change fast)
Try out a higher impedance balun
And try to add another length of ladderline for 160
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von goldtr8@...
> Gesendet: Donnerstag, 10. November 2011 18:03
> An: ham-antennas@yahoogroups.com
> Betreff: RE: AW: [ham-antennas] How should I interpret swr data from my
> loop antenna
>
>
>
>
> Hi Siegfried,
>
> Thank you for the reply. I currently have a 1:1 balun and the antenna
> does work.

>
> What I am really looking or help on is how to understand what the data
> that I measured is telling me. In other words is it possible to
> determine from the data that the loop is short or too long for 160m
> frequencies. Can this data be used to help explain why it is so much
> weaker in RX and TX than a dipole. Can the data help predict if I move
> it higher and leave the length alone that it would work better and tune
> better at 160m or other frequencies.
>
> Maybe the whole measurement process with a loop using ladder line to a
> current balun to coax is not a valid thing to do.
>
> Basically I want to try and analyze the data, then make a prediction to
> a change and then make the change. Right now I don't know what if
> anything the data is telling me and my background in test engineering is
> telling me that before I make changes I should be able to measure,
> predict, make change and verify. My problem is the predict part I
> don't know the math. If this were a structures problem then its P/A or
> load divided by the area to get stress or the square root of k/m for
> natural frequencies.
>
> So I know there is math involved and now I want to learn it, but I need
> a direction or example to point me in the right direction.
>
> Thanks
> Don
>
> ~73
> Don
> KD8NNU
>
> On Thu, Nov 10, 2011 at 4:01 AM, Siegfried Jackstien wrote:
>
> You have to use a higher ratio balun
> Then this setup should work
> I jave nearly the same setup (168m deltaloop fed at a corner) but I
> switch
> feedindline length for the lower bands
> On fundamental and first harmonic the impedance of such a low hanging
> loop
> is lower ans the 200 ohms ... so a 1:4 does not work well
> Here my solution:
> Lets start with 80m
> Feeding that loop with 60 feet of ladderline transforms the low
> impedance to
> higher value (quarterwave transformer) ...
> Now the higher ratio balun can do its job
> On 160 I just add another 20m (now a bit shorter after finetuning) and I
> have the same thing ... ladderline transforms low impedance up
> On 40m (and above) the impedance of the loop is higher (a few hundred

> ohms)
> so the ladderline is almost matched and does not transform ... but on
> the
> lower end is that high ratio balun bringing the higher impedance back
> down
> With that setup I can work all bands ... and many of them without any
> tuner
> needed at all!!
> I had some shorter lengths of ladderline that were left over from some
> fieldday projects
> And with these parts I tried different lengths till I found that
> solution
> Gretz
> Sigi
> Dg9bfc
>
> > -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > [mailto: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> >] Im Auftrag von goldtr8@... <mailto:goldtr8%40charter.net>
> > <javascript:parent.wgMail.openComposeWindow('goldtr8@...
> <mailto:%27goldtr8%40charter.net> ')>
> > Gesendet: Donnerstag, 10. November 2011 02:38 An:
> > ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > Betreff: [ham-antennas] How should I interpret swr data from my loop
> > antenna
> >
> >
> >
> > Dear Group I have just installed a 160m loop antenna that is
> > approximately 20ft high. Performance wise other than at 80m it appears
> > to be substantially weaker than my trapped dipole which is at 30 feet,
> > on 80 it is equal or better in performance. I define weaker by
> > approximately 2 s units less in power and weaker TX signal reports
> > when I have a qso with someone.
> > With the above stated I have taken measurements with my antenna
> > analyzer and would like help in understanding the data. Does is
> > suggest that the loop should be longer or shorter. Does it give
> > insight on ground coupling as am I correct that it is to close to the
> > ground.
> > Basically I have the data but I really dont know if it is telling me
> > anything at all.
> > Right now I am looking into ways to raise the antenna between 30 and

> > 40 ft, but before I take the wire down, I want to understand what the
> > data is telling me so if I need to make other adjustments to length I
> > can do it. I have data so just guessing on what to do next is not good
> > engineering practice. My problem is I am a mechanical guy not an
> > electrical guy.
> > Below is the data I measured with my antenna analyzer.
> > FRQ SWR R X 1.77 14.9 3 -41 1.80 16 3 -38 1.83 16 2 -37 1.85 16.5 2
> > -35 1.90 16.5 2 -32 1.95 16.5 2 -30 2.00 16 2 -27 2.10 14.9 2 -22 2.20
> > 13.1 3 -17 2.30 10.5 4 -12 2.40 8.2 5 -7 2.50 5.6 8 -4 2.60 3.3 15 7
> > 2.70 1.8 29 8 2.75 1.5 34 8 2.80 1.8 31 6 2.85 2.4 23 20 2.90 3.1 17
> > -18 3.00 4.7 9 -13 3.10 5.7 7 -7 3.20 5.8 7 -3 3.30 5.4 8 8 3.40 4.6 9
> > 13 3.50 3.5 13 19 3.60 2.4 22 21 3.70 1.6 33 -12 3.75 1.5 33 -7 3.80
> > 1.7 28 -5 3.90 2.6 19 -5 4.00 3.9 12 6 4.10 5.2 8 10 4.20 6.5 6 15
> > 4.30 7.2 6 20 4.40 7.6 5 24 4.50 7.5 5 20 4.60 6.9 6 35 4.70 6 8 40
> > 4.80 5 12 45 4.90 4 17 47 5.00 3.8 19 46 5.10 4.3 16 46 5.20 5.5 13 49
> > 5.30 6.9 11 56 5.50 9.4 10 74 5.75 10.5 16 108 6.00 9.8 49 170 6.20
> > 8.1 162 227 6.50 6.9 337 136 6.75 9.1 217 263 7.00 10.8 49 -172 7.10
> > 11.1 29 -144 7.20 11.1 21 -120 7.30 11.1 15 -105 7.40 10.8 12 -90 7.50
> > 10.3 10 -78 7.60 9.4 9 -69 7.70 8.4 9 -61 7.80 7.3 9 -54 7.90 6.3 10
> > -50 8.00 5.9 10 -47 8.10 6.1 10 -45 8.20 6.8 8 -41 8.30 7.5 6 -37 8.50
> > 8.2 4 -29 8.75 7.9 4 -20 9.00 6.5 6 -10 9.25 4.3 11 -4 9.50 3.1 15 -3
> > 9.75 3.8 12 4 10.00 4 12 13 10.25 3 17 9 10.50 2.3 24 20 10.75 2.8 20
> > 20 11.00 3.5 17 28 11.25 3.5 20 38 11.50 3.1 26 44 11.75 3.6 26 49
> > 12.00 4.9 25 64 12.25 6.1 32 90 12.50 6.9 61 134 12.75 6.7 169 179
> > 13.00 6 296 -113 13.25 6.5 226 -174 13.50 7.5 88 -166 13.75 7.9 38
> > -119 14.00 7.9 20 -85 14.10 7.7 17 -76 14.20 7.3 15 -67 14.30 7 13 -61
> > 14.40 6.7 12 -55 14.50 6.5 12 -51 14.75 6.5 9 -41 15.00 7.2 6 -31
> > 15.25 7.2 6 -23 15.50 6.5 6 -15 15.75 5.6 8 -8 16.00 4.7 9 -3
> > Thanks in advance for your help
> > ~73 Don KD8NNU
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
>
>
>

20525. AW: AW: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 22:01:49 UTC
From: Siegfried Jackstien
Topic: 20501 Message: 20525

Yes the ladderline has to be made longer :-)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Artekmedia
> Gesendet: Donnerstag, 10. November 2011 21:57
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] How should I interpret swr data from my
> loop antenna
>
>
>
> The data indicates that the antenna is slightly short based on the "X"
> portion going crossing zero around 2.55 MHz
>
> I would definitely retake the measurements directly at the antenna with
> out the balun before drawing any final conclusion . Baluns do not always
> behave the way theory predicts
>
> Dave
> NR1DX
>
> On 11/10/2011 12:03 PM, goldtr8@... <mailto:goldtr8%40charter.net>
> wrote:
> >
> >
> >
> > What I am really looking or help on is how to understand what the data
> > that I measured is telling me. In other words is it possible to
> > determine from the data that the loop is short or too long for 160m
> > frequencies. Can this data be used to help explain why it is so much
> > weaker in RX and TX than a dipole. Can the data help predict if I move
> > it higher and leave the length alone that it would work better and tune
> > better at 160m or other frequencies.
> >
> > Maybe the whole measurement process with a loop using ladder line to a
> > current balun to coax is not a valid thing to do.
> >
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>

> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
>
>
>

20526. Re: [ham-antennas] difference between using a whip or hollow aluminium tubing

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 22:42:57 UTC
From: Larry Tooley
Topic: 20511 Message: 20526

The fatter the radiator the more broadbanded, I think. The larger diameter the better.
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 10, 2011 12:18 PM
Subject: RE: [ham-antennas] difference between using a whip or hollow aluminium tubing

Subject: [ham-antennas] difference between using a whip or hollow aluminium
tubing

If I am build an antenna is there a diffence in using the wip part of a stainless steel cb antenna or hollow aluminum tubing like what is on a roof
top tv antenna ?

Hal w4hal

I would use whatever one is easier for you to build the antenna with. If portable I would use SS, for use at home, whatever is simpler to work with.
There might be a very slight bandwidth advantage with tubing but I don't think it would make much difference until the diameter was larger.

Rich . Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20527. Re: [ham-antennas] Re: 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 22:44:23 UTC
From: Larry Tooley
Topic: 20505 Message: 20527

As said before get it above that roof as high as possible, I feel.
----- Original Message -----
From: Ed Stewart
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 10, 2011 9:50 AM
Subject: Re: [ham-antennas] Re: 2M/440 copper pipe verticle

My cousin just gave me a 2 meter i/2 copper pipe J-pole, any recommended
way to mount on a metal roof?

On 11/10/2011 10:09 AM, Military1 wrote:
>
> Thank you for the prompt response and information and links. This is
> what I was looking for. I wanted to build an inexpensive 2M base
> antenna to support a Yaesu FT-2600M I recently picked up. All the
> examples you pointed me too will work.
> In regard to the 2M/440 verticle, what is the signifigance of the 1/4
> wave PVC section and I take it that is a 1/4 wave on 2M. Being PVC,
> what does that section do for you? Or am I off base or missing the
> obvious here? Have a great day.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Benjamin Straw - KC9UNS
> <kc9uns@...> wrote:
> >
> > Here is where you can find it http://www.hamuniverse.com/antennas.html
> >
> > Sent from my iPhone "Grammar mistakes are all on the iPhone"
> >
> > On Nov 10, 2011, at 2:14 AM, Dennis Wyman <wdwyman@...> wrote:
> >
> > > Give these two sights a look, one of these may be the one you saw...
> > > http://www.iw5edi.com/ham-radio/files/Simple_J.pdf
> > > http://www.n7qvc.com/amateur_radio/copper.html
> > >
> > > Dennis(KA6GDT)
> > >
> > > --
> > >
> > > On 11/9/2011 8:41 PM, Military1 wrote:
> > > >
> > > > I saw a recent post which described and had a picture/drawing of a
> > > > 2M/440 antenna which was made from two 20" lengths of copper
> pipe and
> > > > a 1/4 wave length of PVC piping. The write up also addressed a 5

> turn
> > > > choke. For the life of me I can not find where that posting was.
> Can
> > > > > anyone provide the same information or direct me to the
> information.
> > > > > Thank you very much.
> > > > >
> > > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20528. RE: [ham-antennas] difference between using a whip or hollow aluminium tubing

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 23:18:51 UTC
From: Richard Schmuke
Topic: 20511 Message: 20528

True about being fatter is better, antenna that is. One of my experimental antennas was a 5 inch diameter cage vertical on 20m, it was very wide band and the complete assemble was shorter also.

Rich , Kd0zz

Subject: Re: [ham-antennas] difference between using a whip or hollow aluminium tubing

The fatter the radiator the more broadbanded, I think. The larger diameter the better.
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, November 10, 2011 12:18 PM
Subject: RE: [ham-antennas] difference between using a whip or hollow aluminium tubing

Subject: [ham-antennas] difference between using a whip or hollow aluminium
tubing

If I am build an antenna is there a diffence in using the wip part of a stainless steel cb antenna or hollow aluminum tubing like what is on a roof
top tv antenna ?

Hal w4hal

I would use whatever one is easier for you to build the antenna with. If portable I would use SS, for use at home, whatever is simpler to work with.
There might be a very slight bandwidth advantage with tubing but I don't think it would make much difference until the diameter was larger.

Rich . Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20529. Re: [ham-antennas] difference between using a whip or hollow aluminium tubing

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-10 23:26:09 UTC
From: Larry Tooley
Topic: 20511 Message: 20529

Thanks for the input. I will sure keep that in mind for my antennas.
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 10, 2011 5:18 PM
Subject: RE: [ham-antennas] difference between using a whip or hollow aluminium tubing

True about being fatter is better, antenna that is. One of my experimental antennas was a 5 inch diameter cage vertical on 20m, it was very wide band and the complete assemble was shorter also.

Rich , Kd0zz

Subject: Re: [ham-antennas] difference between using a whip or hollow aluminium tubing

The fatter the radiator the more broadbanded, I think. The larger diameter the better.
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Thursday, November 10, 2011 12:18 PM
Subject: RE: [ham-antennas] difference between using a whip or hollow aluminium tubing

Subject: [ham-antennas] difference between using a whip or hollow aluminium
tubing

If I am build an antenna is there a diffence in using the wip part of a stainless steel cb antenna or hollow aluminum tubing like what is on a roof
top tv antenna ?

Hal w4hal

I would use whatever one is easier for you to build the antenna with. If portable I would use SS, for use at home, whatever is simpler to work with.
There might be a very slight bandwidth advantage with tubing but I don't think it would make much difference until the diameter was larger.

Rich . Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20530. Re: [ham-antennas] Re: 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 00:13:14 UTC
From: Ron Youvan
Topic: 20505 Message: 20530

Ed Stewart wrote:

> My cousin just gave me a 2 meter i/2 copper pipe J-pole, any recommended
> way to mount on a metal roof?

Aviation hose bands, two minimum, three if you can afford that many.
(the radiator hose bands with a screw and those angled slots)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20531. [ham-antennas] Calculating Wind Load for HDBX-48

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 02:11:27 UTC
From: Frank Kirschner
Topic: 20531 Message: 20531

I'm trying to get a permit to put up a Rohn HDBX-48 in Montgomery County, MD. Said county requires towers to be rated at 90 mph, but Rohn's docs only go to 70 mph. I've contacted them, and they are no help. Using the fact that wind load is inversely proportional to wind velocity, it seems like it should take the load (a quad and a small 6 m Yagi). However, I don't believe the PE I'm talking with to get the signed and sealed drawings would accept that "back-of-the-envelope" calculation.

Is there a reasonable way to calculate the wind load that a PE would accept as rigorous? I've searched the Web, and everything I have found is oriented to specific towers, and doesn't lend itself to substitution of different elements.

Any help would be appreciated.

Thanks in advance.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

20532. Re: [ham-antennas] Re: 2M/440 copper pipe verticle

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 02:21:12 UTC
From: Ron Youvan
Topic: 20505 Message: 20532

faygopaygo wrote:

> The proper way to mount this antenna on a metal roof is simple, DON"T!!!!! The J-Pole does not need
> a ground plane and in fact will couple with any surrounding metal objects which will degrade or
> change the radiation pattern. The best way to mount a J-Pole is in the clear on a non-conducting
> mast like wood as high as you can get it. Also recommended by many is the use of a choke to prevent
> common mode current flow on your coax. These are usually in the form of ferrite beads or an
> air(ugly)choke balun, etc. There are many posts on these, so do a search on "choke" or "common mode
> current"

> I have a Plumbers(copper tube) J-Pole also and don't use a balun and it seems to work OK. I have
> never done any testing to see if a balun helps any.

I can confirm the dress of the cable leaving a "J" pole antenna can and does effect the tuning of
the antenna. A sleeve balun or 5 coils of feed line (air choke balun) will minimize the effects.
Always re-test the "J" pole antenna after it is mounted and the feedline is tie wrapped. (if coax)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20533. Re: [ham-antennas] Calculating Wind Load for HDBX-48

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 04:47:57 UTC
From: roger.h@comcast.net
Topic: 20531 Message: 20533

Ok Frank I' ve got 2 Rhon Engineer books. Assuming 48 ft with 3 Rhon concrete brackets also interwoven rebar and tied and correct depth and laterals. Also level with no more than a 2 inch 10' tall mast. The wind load area in square feet is 18 with down thrust of 360 lbs. I believe that's about it for 70.7 mph (20 psf). Now if you decided to add guy wi res (3/16") you run that mph on up some. Doesn't show that here. I don't have mind guyed and have a big Hygain TH7DXX 7 ele beam with Tailtwister rotor. Did have a 3 ele Hygain 7-3 40 meter beam up but not at the same time. He needs to be convinced the you sacrificed height for a shorter tower of great strenth and the 100 mph does not apply as I did here. I did my own drawings. They don't rate this tower any higher than 70. 7 that I can see. They don't need too. You can't be compared to 6o-80' towers.

I retired from 18 yrs as a Tn. senior real estate Appraiser (Homes and Land). The old saying goes (If you can't correct them with intelligence, Baffall them with BS) If I can be of help you know the rest.

Roger, W4IV, outside Nashville, Tn.

----- Original Message -----

From: "Frank Kirschner" <frank@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 10, 2011 8:11:27 PM
Subject: [ham-antennas] Calculating Wind Load for HDBX-48

I'm trying to get a permit to put up a Rohn HDBX-48 in Montgomery County, MD. Said county requires towers to be rated at 90 mph, but Rohn's docs only go to 70 mph. I've contacted them, and they are no help. Using the fact that wind load is inversely proportional to wind velocity, it seems like it should take the load (a quad and a small 6 m Yagi). However, I don't believe the PE I'm talking with to get the signed and sealed drawings would accept that "back-of-the-envelope" calculation.

Is there a reasonable way to calculate the wind load that a PE would accept as rigorous? I've searched the Web, and everything I have found is oriented to specific towers, and doesn't lend itself to substitution of different elements.

Any help would be appreciated.

Thanks in advance.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20534. Re: [ham-antennas] Calculating Wind Load for HDBX-48

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 13:32:49 UTC
From: Frank Kirschner
Topic: 20531 Message: 20534

Roger,

OK, thanks for the advice. I'll try that tack.

73,
Frank
KF6E

On Thu, Nov 10, 2011 at 11:47 PM, <roger.h@...> wrote:

> **
>
>
>
>
> Ok Frank I' ve got 2 Rhon Engineer books. Assuming 48 ft with 3 Rhon
> concrete brackets also interwoven rebar and tied and correct depth and
> laterals. Also level with no more than a 2 inch 10' tall mast. The wind
> load area in square feet is 18 with down thrust of 360 lbs. I believe
> that's about it for 70.7 mph (20 psf). Now if you decided to add guy wi
> res (3/16") you run that mph on up some. Doesn't show that here. I don't
> have mind guyed and have a big Hygain TH7DXX 7 ele beam with Tailtwister
> rotor. Did have a 3 ele Hygain 7-3 40 meter beam up but not at the same
> time. He needs to be convinced the you sacrificed height for a shorter
> tower of great strenth and the 100 mph does not apply as I did here. I did
> my own drawings. They don't rate this tower any higher than 70. 7 that I
> can see. They don't need too. You can't be compared to 6o-80' towers.
>
> I retired from 18 yrs as a Tn. senior real estate Appraiser (Homes and
> Land). The old saying goes (If you can't correct them with intelligence,
> Baffall them with BS) If I can be of help you know the rest.
>
> Roger, W4IV, outside Nashville, Tn.
>
>

[Non-text portions of this message have been removed]

20535. Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 20:27:13 UTC
From: kj4fgi
Topic: 20535 Message: 20535

I would like some information on using 18 gauge coated wire for a Longwire Antenna. I have been experimenting with Wire Antennas and Baluns and Ununs. What I have behind my house is woods and than a cow pasture about a 1000 feet beyond the trees.

18 gauge wire is cheaper than 14/16 gauge wire and this is only an experiment so I don't want to spend much cash. I have used my Compound Bow to launch rope over trees (pull back ever so little) What I want to do is lay on the ground at least 300 feet of 18 gauge wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use the full 75 pound draw and let her rip.

I should get some distance out of it, sounds nuts, maybe, but I'm a Ham. I live under HOA rules and if they can't see the antenna from the street I will not have problems from the Board that's why I experiment with wire antennas.

Thanks Ed - KJ4FGI

20536. AW: [ham-antennas] Calculating Wind Load for HDBX-48

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 20:35:16 UTC
From: Siegfried Jackstien
Topic: 20531 Message: 20536

Back calculation does not work
The mast itself has a windload that you can not make smaller
Say your rohn can hold up 10square meters (I know it is lower but just for easy calculating)
If it holds 10sqm in 70mph wind ... it can not hold 1sqm in 700mph (ok no wind is so strong) ...
I was just kidding a bit :-)

Windload is not a linear function and so not easy to calculate a load for a different speed
I know it can be calculated ... but that is not an easy task

See if a rohn is installed close to the ocean (were more wind is) ... maybe there the user has different numbers for this type op mast (but I am just guessing)
Dg9bfc
Sigi
Ps rohn should know that numbers ... so i would try again to ask them ... if not the manufacturer ... who else should have the safety margin numbers?!?

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Frank Kirschner
> Gesendet: Freitag, 11. November 2011 02:11
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Calculating Wind Load for HDBX-48
>
>
>
> I'm trying to get a permit to put up a Rohn HDBX-48 in Montgomery County,
> MD. Said county requires towers to be rated at 90 mph, but Rohn's docs
> only go to 70 mph. I've contacted them, and they are no help. Using the
> fact that wind load is inversely proportional to wind velocity, it seems
> like it should take the load (a quad and a small 6 m Yagi). However, I
> don't believe the PE I'm talking with to get the signed and sealed
> drawings
> would accept that "back-of-the-envelope" calculation.
>
> Is there a reasonable way to calculate the wind load that a PE would
> accept
> as rigorous? I've searched the Web, and everything I have found is
> oriented to specific towers, and doesn't lend itself to substitution of
> different elements.
>
> Any help would be appreciated.
>

> Thanks in advance.
>
> 73,
> Frank
> KF6E
>
> [Non-text portions of this message have been removed]
>
>
>
>

20537. Re: [ham-antennas] Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 20:47:06 UTC
From: ka9egw@britewerkz.com
Topic: 20535 Message: 20537

After 32 years as a ham and 10 before that as an SWL/BCL/MWDXer last year
I finally reached the end of my spool of #18AWG, stranded, tinned,
sky-blue pvc insulated wire.

Many, many experiments with random wires, dipoles for 160 and up, HF
loops, quads, wire arrays, and zepps came off that spool, along with a
couple spiral loops for LW and MW and a number of antenna coupler coils.
Plus some friends' antennas.

I lived many different places in my younger years, rentals, owns, HOA, no
HOA, zoning restrictions and the first few years in radio with a very
posessive [of his property in re: damage thereto] stepfather.

None of us ever had an issue with antenna visibility or robustness.

73, Brian KA9EGW

> I would like some information on using 18 gauge coated wire for a
> Longwire Antenna. I have been experimenting with Wire Antennas and
> Baluns and Ununs. What I have behind my house is woods and than a cow
> pasture about a 1000 feet beyond the trees.
>
> 18 gauge wire is cheaper than 14/16 gauge wire and this is only an
> experiment so I don't want to spend much cash. I have used my
> Compound Bow to launch rope over trees (pull back ever so little)
> What I want to do is lay on the ground at least 300 feet of 18 gauge
> wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use
> the full 75 pound draw and let her rip.
>
> I should get some distance out of it, sounds nuts, maybe, but I'm a
> Ham. I live under HOA rules and if they can't see the antenna from
> the street I will not have problems from the Board that's why I
> experiment with wire antennas.
>
> Thanks Ed - KJ4FGI
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

20538. Re: [ham-antennas] Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 20:48:10 UTC
From: ka9egw@britewerkz.com
Topic: 20535 Message: 20538

I'm thinking you're gonna need more than 300 feet to run out the full draw
of a 75-pounder...

73, Brian KA9EGW

> I would like some information on using 18 gauge coated wire for a
> Longwire Antenna. I have been experimenting with Wire Antennas and
> Baluns and Ununs. What I have behind my house is woods and than a cow
> pasture about a 1000 feet beyond the trees.
>
> 18 gauge wire is cheaper than 14/16 gauge wire and this is only an
> experiment so I don't want to spend much cash. I have used my
> Compound Bow to launch rope over trees (pull back ever so little)
> What I want to do is lay on the ground at least 300 feet of 18 gauge
> wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use
> the full 75 pound draw and let her rip.
>
> I should get some distance out of it, sounds nuts, maybe, but I'm a
> Ham. I live under HOA rules and if they can't see the antenna from
> the street I will not have problems from the Board that's why I
> experiment with wire antennas.
>
> Thanks Ed - KJ4FGI
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

20539. Re: [ham-antennas] Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 21:14:11 UTC
From: WA8JXM
Topic: 20535 Message: 20539

I've tried things like this in the past (more for height than distance) and the problem I always had was the wire getting tangled up either with itself or with the grass. 300' of wire is a lot to lay out and expect it to feed smoothly.

I used to have some 100' trees on a half acre lot.

Good luck.

Ken

On Nov 11, 2011, at 3:27 PM, kj4fgi wrote:

> I would like some information on using 18 gauge coated wire for a Longwire Antenna. I have been experimenting with Wire Antennas and Baluns and Ununs. What I have behind my house is woods and than a cow pasture about a 1000 feet beyond the trees.
>
> 18 gauge wire is cheaper than 14/16 gauge wire and this is only an experiment so I don't want to spend much cash. I have used my Compound Bow to launch rope over trees (pull back ever so little) What I want to do is lay on the ground at least 300 feet of 18 gauge wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use the full 75 pound draw and let her rip.
>
> I should get some distance out of it, sounds nuts, maybe, but I'm a Ham. I live under HOA rules and if they can't see the antenna from the street I will not have problems from the Board that's why I experiment with wire antennas.

20540. Re: Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 21:19:14 UTC
From: w7tea
Topic: 20535 Message: 20540

I've used 18 gauge copper clad steel wire for a 80m loop for years. It's practically invisible from 30ft away and very strong of course, but not very flexible. It's not coated, gets brushed by trees and shrubs but has worked well.

73, Gary W7TEA

--- In ham-antennas@yahoogroups.com, "kj4fgi" <kj4fgi@...> wrote:
>
> I would like some information on using 18 gauge coated wire for a Longwire Antenna. I have been experimenting with Wire Antennas and Baluns and Ununs. What I have behind my house is woods and than a cow pasture about a 1000 feet beyond the trees.
>
> 18 gauge wire is cheaper than 14/16 gauge wire and this is only an experiment so I don't want to spend much cash. I have used my Compound Bow to launch rope over trees (pull back ever so little) What I want to do is lay on the ground at least 300 feet of 18 gauge wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use the full 75 pound draw and let her rip.
>
> I should get some distance out of it, sounds nuts, maybe, but I'm a Ham. I live under HOA rules and if they can't see the antenna from the street I will not have problems from the Board that's why I experiment with wire antennas.
>
> Thanks Ed - KJ4FGI
>

20541. Re: Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 21:33:58 UTC
From: kj4fgi
Topic: 20535 Message: 20541

The other 200 will be on the spool angled if it takes it off, 300 feet and the weight of the wire taken into consideration I don't think it would make the length of a football field, but I could be wrong.

Ed kj4fgi

--- In ham-antennas@yahoogroups.com, ka9egw@... wrote:
>
> I'm thinking you're gonna need more than 300 feet to run out the full draw
> of a 75-pounder...
>
> 73, Brian KA9EGW
>
> > I would like some information on using 18 gauge coated wire for a
> > Longwire Antenna. I have been experimenting with Wire Antennas and
> > Baluns and Ununs. What I have behind my house is woods and than a cow
> > pasture about a 1000 feet beyond the trees.
> >
> > 18 gauge wire is cheaper than 14/16 gauge wire and this is only an
> > experiment so I don't want to spend much cash. I have used my
> > Compound Bow to launch rope over trees (pull back ever so little)
> > What I want to do is lay on the ground at least 300 feet of 18 gauge
> > wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use
> > the full 75 pound draw and let her rip.
> >
> > I should get some distance out of it, sounds nuts, maybe, but I'm a
> > Ham. I live under HOA rules and if they can't see the antenna from
> > the street I will not have problems from the Board that's why I
> > experiment with wire antennas.
> >
> > Thanks Ed - KJ4FGI
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links

> >
> >
> >
> >
>

20542. Re: [ham-antennas] Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-11 22:59:15 UTC
From: aa2id@aol.com
Topic: 20535 Message: 20542

Brian,
of all those antennas you built, which ones worked best etc.
give us a run down...

Thanks,

Hal AA2ID

-----Original Message-----
From: ka9egw <ka9egw@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Fri, Nov 11, 2011 10:47 am
Subject: Re: [ham-antennas] Longwire Antenna

After 32 years as a ham and 10 before that as an SWL/BCL/MWDXer last year
I finally reached the end of my spool of #18AWG, stranded, tinned,
sky-blue pvc insulated wire.

Many, many experiments with random wires, dipoles for 160 and up, HF
loops, quads, wire arrays, and zepps came off that spool, along with a
couple spiral loops for LW and MW and a number of antenna coupler coils.
Plus some friends' antennas.

I lived many different places in my younger years, rentals, owns, HOA, no
HOA, zoning restrictions and the first few years in radio with a very
posessive [of his property in re: damage thereto] stepfather.

None of us ever had an issue with antenna visibility or robustness.

73, Brian KA9EGW

> I would like some information on using 18 gauge coated wire for a
> Longwire Antenna. I have been experimenting with Wire Antennas and
> Baluns and Ununs. What I have behind my house is woods and than a cow
> pasture about a 1000 feet beyond the trees.
>
> 18 gauge wire is cheaper than 14/16 gauge wire and this is only an
> experiment so I don't want to spend much cash. I have used my
> Compound Bow to launch rope over trees (pull back ever so little)
> What I want to do is lay on the ground at least 300 feet of 18 gauge
> wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use
> the full 75 pound draw and let her rip.
>
> I should get some distance out of it, sounds nuts, maybe, but I'm a
> Ham. I live under HOA rules and if they can't see the antenna from
> the street I will not have problems from the Board that's why I
> experiment with wire antennas.

>
> Thanks Ed - KJ4FGI
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20543. Re: [ham-antennas] Re: Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 00:16:03 UTC
From: N3XX
Topic: 20535 Message: 20543

I put up some wire like that years ago, but with a few differences. I taped a couple of fairly heavy bolts to the front of the arrow to give it a little more weight to pull with. Also just tied a string to the arrow, then used the string to pull up the wire.

GL - 73,
Tim - N3XX

----- Original Message -----
From: "kj4fgi" <kj4fgi@...>
To: <ham-antennas@yahoogroups.com>
Sent: Friday, November 11, 2011 4:33 PM
Subject: [ham-antennas] Re: Longwire Antenna

The other 200 will be on the spool angled if it takes it off, 300 feet and the weight of the wire taken into consideration I don't think it would make the length of a football field, but I could be wrong.

Ed kj4fgi

--- In ham-antennas@yahoogroups.com, ka9egw@... wrote:
>
> I'm thinking you're gonna need more than 300 feet to run out the full draw
> of a 75-pounder...
>
> 73, Brian KA9EGW
>
> > I would like some information on using 18 gauge coated wire for a
> > Longwire Antenna. I have been experimenting with Wire Antennas and
> > Baluns and Ununs. What I have behind my house is woods and than a cow
> > pasture about a 1000 feet beyond the trees.
> >
> > 18 gauge wire is cheaper than 14/16 gauge wire and this is only an
> > experiment so I don't want to spend much cash. I have used my
> > Compound Bow to launch rope over trees (pull back ever so little)
> > What I want to do is lay on the ground at least 300 feet of 18 gauge
> > wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use
> > the full 75 pound draw and let her rip.
> >
> > I should get some distance out of it, sounds nuts, maybe, but I'm a
> > Ham. I live under HOA rules and if they can't see the antenna from
> > the street I will not have problems from the Board that's why I
> > experiment with wire antennas.
> >
> > Thanks Ed - KJ4FGI
> >

> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> > go
> > to ALL 2752 members (as of 10/30/11). and attachments are NOT
> > permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
>

20544. RE: [ham-antennas] Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 00:46:56 UTC
From: KA9EGW
Topic: 20535 Message: 20544

They were all in and around W/NW/N outer metropolitan Chicago, ranging as far out as Waukegan, Fox Lake, Bloomingdale and Wauconda.

Keep in mind most of those years my world was pretty much limited to occasional ragchews on 160, occasional ragchews and regular traffic nets on 80 and 75, and traffic nets on 40...with only very occasional forays into the upper bands.

That being said, the best performer, without a doubt, was the 67' top-fed vertical worked against a 1/4 [electrical] wavelength tuned counterpoise from a 6th-floor balcony railing to a weight laid on the roof of my car parked about 20' out from the building.

All the rest were about equal--all being below 25 feet, excellent for close-in work on 160 and 80, and a couple hundred miles on 40. Most of them weren't even all that wonderful for that.

The 67' end-fed wire up about 15' regularly got to the west coast, Europe and South America on 15 and 10 during the late-70's/early-80's sunspot peak though...

The MW/BCB/160 spiral receiving loops all worked about the same; limiting factor being manmade QRN except in Bloomingdale where I was literally a couple hundred yards from a 50kW AM clear channel powerhouse.

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of aa2id@...
Sent: Friday, November 11, 2011 4:59 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Longwire Antenna

Brian,
of all those antennas you built, which ones worked best etc.
give us a run down...

Thanks,

Hal AA2ID

-----Original Message-----
From: ka9egw <ka9egw@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Fri, Nov 11, 2011 10:47 am
Subject: Re: [ham-antennas] Longwire Antenna

After 32 years as a ham and 10 before that as an SWL/BCL/MWDXer last year I finally reached the end of my spool of #18AWG, stranded, tinned, sky-blue pvc insulated wire.

Many, many experiments with random wires, dipoles for 160 and up, HF loops, quads, wire arrays, and zepps came off that spool, along with a couple spiral loops for LW and MW and a number of antenna coupler coils.
Plus some friends' antennas.

I lived many different places in my younger years, rentals, owns, HOA, no HOA, zoning restrictions and the first few years in radio with a very posessive [of his property in re: damage thereto] stepfather.

None of us ever had an issue with antenna visibility or robustness.

73, Brian KA9EGW

> I would like some information on using 18 gauge coated wire for a
> Longwire Antenna. I have been experimenting with Wire Antennas and
> Baluns and Ununs. What I have behind my house is woods and than a cow
> pasture about a 1000 feet beyond the trees.
>
> 18 gauge wire is cheaper than 14/16 gauge wire and this is only
> an experiment so I don't want to spend much cash. I have used my
> Compound Bow to launch rope over trees (pull back ever so little) What
> I want to do is lay on the ground at least 300 feet of 18 gauge wire,
> use an Arrow with a 2 or 3 ounce sinker attached to the tip use the
> full 75 pound draw and let her rip.
>
> I should get some distance out of it, sounds nuts, maybe, but I'm
> a Ham. I live under HOA rules and if they can't see the antenna from
> the street I will not have problems from the Board that's why I
> experiment with wire antennas.
>
> Thanks Ed - KJ4FGI
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20545. RE: [ham-antennas] Re: Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 00:52:49 UTC
From: KA9EGW
Topic: 20535 Message: 20545

My most recent [current] antenna is a bent 135' off-center-fed dipole fed with 600 ohm open wire line. After numerous attempts over most of a week and a weekend involving a fishing rod and a 1 oz sinker, and most of a spool of 10-lb monofilament and a couple sinkers semi-permanent parts of my 12/12 pitch roof [can't walk it, or #14 house wire, across a shingled roof without it getting caught under the shingle tabs] I ended up using a 30' paint roller extension from the porch roof to place the wire.

Good luck with your archery experiments.

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of N3XX
Sent: Friday, November 11, 2011 6:16 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Longwire Antenna

I put up some wire like that years ago, but with a few differences. I taped a couple of fairly heavy bolts to the front of the arrow to give it a little more weight to pull with. Also just tied a string to the arrow, then used the string to pull up the wire.

GL - 73,
Tim - N3XX

----- Original Message -----
From: "kj4fgi" <kj4fgi@...>
To: <ham-antennas@yahoogroups.com>
Sent: Friday, November 11, 2011 4:33 PM
Subject: [ham-antennas] Re: Longwire Antenna

The other 200 will be on the spool angled if it takes it off, 300 feet and the weight of the wire taken into consideration I don't think it would make the length of a football field, but I could be wrong.

Ed kj4fgi

--- In ham-antennas@yahoogroups.com, ka9egw@... wrote:
>
> I'm thinking you're gonna need more than 300 feet to run out the full draw
> of a 75-pounder...
>
> 73, Brian KA9EGW
>
> > I would like some information on using 18 gauge coated wire for a

> > Longwire Antenna. I have been experimenting with Wire Antennas and
> > Baluns and Ununs. What I have behind my house is woods and than a cow
> > pasture about a 1000 feet beyond the trees.
> >
> > 18 gauge wire is cheaper than 14/16 gauge wire and this is only an
> > experiment so I don't want to spend much cash. I have used my
> > Compound Bow to launch rope over trees (pull back ever so little)
> > What I want to do is lay on the ground at least 300 feet of 18 gauge
> > wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use
> > the full 75 pound draw and let her rip.
> >
> > I should get some distance out of it, sounds nuts, maybe, but I'm a
> > Ham. I live under HOA rules and if they can't see the antenna from
> > the street I will not have problems from the Board that's why I
> > experiment with wire antennas.
> >
> > Thanks Ed - KJ4FGI
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> > go
> > to ALL 2752 members (as of 10/30/11). and attachments are NOT
> > permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20546. Re: Advice on spacing - HF beam to 2m beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 01:26:06 UTC
From: ve9xyz
Topic: 20405 Message: 20546

Larry's comment on mounting the Cushcraft A148-10S vertically on a metallic mast has got me thinking... The manual shows this antenna mounted vertically on a pipe mount (about mid-span) and said nothing about this consideration.

Do others have some practical experience with mounting this antenna vertically with a metallic mast? I understand the potential for messing up the pattern as Larry says, but I was really hoping that Cushcraft had thought that through, and placed the mount in a spot that made it somewhat invisible to the beam.

For what it's worth my mount will have the mounting pipe continue past the A148-10S to support a 2 m ringo above it.

Maybe these are not such great ideas?

Kevin

VE9-XYZ

--- In ham-antennas@yahoogroups.com, "Larry Banks" <larryb.w1dyj@...> wrote:
>
> Hi Kevin,
>
> You might read the info on spacing on the Directive Systems web site: http://www.directivesystems.com/
>
> Go to APP Notes and then read HOW TO PLAN THE INSTALLATION OF MULTIPLE VHF ANTENNAS ON ONE MAST . Although this note is about VHF antennas, the theory is the same and will help you understand the issues.
>
> My guess, as you are changing the polarization of the VHF yagi, that it won't matter much. However, having the vertical mast go through the vertical 2M yagi will certainly mess up it's pattern, unless your mast is not metallic.
>
> 73 -- Larry -- W1DYJ
>
>
>
>
> ----- Original Message -----
> From: ve9xyz
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, November 08, 2011 9:44 PM
> Subject: [ham-antennas] Re: Advice on spacing - HF beam to 2m beam
>
>
>
>

> I did not receive any comments on this posting - are there any fellow hams that can offer some experience advice on this subject?
>
> Thanks,
>
> Kevin
>
> --- In ham-antennas@yahoogroups.com, "ve9xyz" <myfamilydotcom@> wrote:
> >
> > I am installing a Mosley TA-33-M-WARC beam on a 32' self-support tower, and am wondering about the required spacing between that HF beam (mounted horizontally, of course) and my 13 element Cuscraft 2-meter yagi, which I plan to mount above the Mosley, in a vertical yagi configuration.
> >
> > I'm not sure what spscing I need to ensure that these antennas both work properly.
> >
> > Can someone with some experience with this advise?
> >
> > Thanks,
> >
> > Kevin
> >
> > VE9XYZ
> >
> > myfamilydotcom@
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20547. Re: Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 16:48:03 UTC
From: fred
Topic: 20535 Message: 20547

I was in an area where the HOA and CCR's were everywhere until I moved . The local gestapo were also not above looking over the fence into the back yard for violations . where I was no outside antennas allowed , period . I made my last dipole out of 1/16" galvanize lift cable , is strong , lightweight , flexible , corrosion resistant and most important almost invisible and inexpensive $.10/foot here . after it was up awhile it turned a dull grey colour and was very difficult to see against the sky , it was never spotted . you might want to use a flat nose arrow so that if it hits a tree it won't stick at 40 or 50 feet up . it worked well for many years and I still have it for use on field day .
kd5pnt

--- In ham-antennas@yahoogroups.com, "kj4fgi" <kj4fgi@...> wrote:
>
> I would like some information on using 18 gauge coated wire for a Longwire Antenna. I have been experimenting with Wire Antennas and Baluns and Ununs. What I have behind my house is woods and than a cow pasture about a 1000 feet beyond the trees.
>
> 18 gauge wire is cheaper than 14/16 gauge wire and this is only an experiment so I don't want to spend much cash. I have used my Compound Bow to launch rope over trees (pull back ever so little) What I want to do is lay on the ground at least 300 feet of 18 gauge wire, use an Arrow with a 2 or 3 ounce sinker attached to the tip use the full 75 pound draw and let her rip.
>
> I should get some distance out of it, sounds nuts, maybe, but I'm a Ham. I live under HOA rules and if they can't see the antenna from the street I will not have problems from the Board that's why I experiment with wire antennas.
>
> Thanks Ed - KJ4FGI
>

20548. Windom

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 17:45:46 UTC
From: Bill
Topic: 2400 Message: 20548

Who has a good and easy way to build a Windom, I have been think of putting up an all band Windom, any ideals out there.
Bill/WA5GHR

20549. end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 18:41:13 UTC
From: robert duckworth
Topic: 20549 Message: 20549

I would like to know is there a place to find a half wave antenna fed with coax without tuner and no counterpoise needed. I hope I can find one here on internet and photos thanks Robert

[Non-text portions of this message have been removed]

20550. Re: [ham-antennas] Windom

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 18:47:23 UTC
From: dean
Topic: 2400 Message: 20550

I would start by putting “Windom antenna” in Google and look at what it has to offer. Then go from there. You can find lots of pictures. I have a lot of them on my computer from the Windom links I found.

73, WY6L

From: Bill
Sent: Saturday, November 12, 2011 9:45 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Windom

Who has a good and easy way to build a Windom, I have been think of putting up an all band Windom, any ideals out there.
Bill/WA5GHR

[Non-text portions of this message have been removed]

20551. Re: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 19:06:39 UTC
From: Ralph Apache
Topic: 20549 Message: 20551

Check with http://www.earchi.org. The end fed antenna uses a matchbox with 33ft dipole line.

Sent from my iPhone
v/r Ralph

On Nov 12, 2011, at 8:41 AM, robert duckworth <ke4dyg@...> wrote:

>
> I would like to know is there a place to find a half wave antenna fed with coax without tuner and no counterpoise needed. I hope I can find one here on internet and photos thanks Robert
>
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

20552. Re: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 19:14:41 UTC
From: Jim Hurwitz
Topic: 20549 Message: 20552

These are half wave, no tuner or counterpoise required:

http://www.lnrprecision.com/

Jim
W1FMG

On Sat, Nov 12, 2011 at 2:06 PM, Ralph Apache <apache007@...> wrote:

> **
>
>
> Check with http://www.earchi.org. The end fed antenna uses a matchbox
> with 33ft dipole line.
>
> Sent from my iPhone
> v/r Ralph
>
>
> On Nov 12, 2011, at 8:41 AM, robert duckworth <ke4dyg@...> wrote:
>
> >
> > I would like to know is there a place to find a half wave antenna fed
> with coax without tuner and no counterpoise needed. I hope I can find one
> here on internet and photos thanks Robert
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

20553. RE: [ham-antennas] Windom

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 20:52:58 UTC
From: jo barden
Topic: 2400 Message: 20553

My main antenna fed with UR-213 and LDG-Z11 check out http://hamwaves.com/cl-ocfd/history.html cannot fault it for getting out, better than my G5RV but be aware that in my case at least RF in shack and that is with ferites on coax, 1:1 balun in shack and ugly balan in shack, so have to use headphones otherwise I come out of radio speaker when transmitting but at least 2 S points higher in recieve than G5RV except on 15m where it is the same.
Jon
G6UWK

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Sat, 12 Nov 2011 10:47:23 -0800
Subject: Re: [ham-antennas] Windom

I would start by putting ?Windom antenna? in Google and look at what it has to offer. Then go from there. You can find lots of pictures. I have a lot of them on my computer from the Windom links I found.

73, WY6L

From: Bill

Sent: Saturday, November 12, 2011 9:45 AM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Windom

Who has a good and easy way to build a Windom, I have been think of putting up an all band Windom, any ideals out there.

Bill/WA5GHR

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20554. Re: [ham-antennas] Windom

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 21:36:35 UTC
From: WA8JXM
Topic: 2400 Message: 20554

On Nov 12, 2011, at 12:45 PM, Bill wrote:

> Who has a good and easy way to build a Windom, I have been think of putting up an all band Windom, any ideals out there.
> Bill/WA5GHR

A true Windom antenna is not an "all band" antenna but rather a single wire fed antenna that works on even multiples of the fundamental frequency (e.g. 80/40/20/10 but not 60, 30, 15). Look in the ARRL Handbook or ARRL Antenna Manual.

OTOH, you can feed a random hunk of wire on about any frequency, but it's just a random wire then. Also a lot of people today feed an off center antenna with balanced wire and call that a Windom but that is more properly an OCF (Off Center Fed) dipole .

The other problem with a Windom is that, on receive, it tends to pick up more noise than a good dipole.

Ken

20555. Re: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 21:40:50 UTC
From: WA8JXM
Topic: 20549 Message: 20555

On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:

> I would like to know is there a place to find a half wave antenna fed with coax without tuner and no counterpoise needed. I hope I can find one here on internet and photos thanks Robert
>

The typical half wave dipole is fed in the center with coax and can offer a reasonable match.

I suggest that you pick a good antenna book and study it and learn about antennas.

Ken

20556. RE: [ham-antennas] Windom

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 23:15:30 UTC
From: KA9EGW
Topic: 2400 Message: 20556

My current "Windom" ['current' as in 'at this time' I mean] consists of two pieces of wire, each of which forms one side of the antenna AND one side of the open-wire feeder. I used the end insulators, center insulator and line spreaders from the 73cnc dot com field day kit...no connection other than a satisfied customer. I figured out where to put the feedpoint by playing around in the ARRL-NEC program bundled with recent ARRL antenna books. My link-coupled tuner [refer to www dot cebik dot com] feeds it nicely except below about 3600kc I have to add some capacitance from one side to that end of the tank coil...the amount of capacitance needed is decreasing as the antenna continues to stretch and work-harden...about another foot and it ought to quit stretching if it's like the #18 I stretched with the Jeep...yeah, I know I should have pre-stretched this too, but I didn't really expect the first iteration to also be the final one...

Total fabrication time was about an hour. That's excluding many hours wasted losing fishing sinkers in trees, and trapping fishing line under shingle tabs, going to the store for another spool of [much heavier] fishing line, going back to the store for more sinkers, going back a 3rd time for mason's twine [f--- the fishline], going back a FOURTH time for more rope cause I forgot I gave some to the neighbor for one of his projects, then trip #5 to the mini-mart for ice and burn ointment [don't hold your hand right under the burning end of polyester rope when seizing the end with a zippo], and excluding putting up the gable-end brackets and masts [a story in itself] total erection...er, antenna-raising time was under a half hour.

If I had it to do over I would have simply put a mini zip tie around the rope and dipped the whole shebang in plastic pipe glue and left it to harden...after a 7th trip for pipe glue HI HI.

But if the supports already exist assembling the windom and it's open wire feedline ought to be a low-impact project.

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of WA8JXM
Sent: Saturday, November 12, 2011 3:37 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Windom

On Nov 12, 2011, at 12:45 PM, Bill wrote:

> Who has a good and easy way to build a Windom, I have been think of putting up an all band Windom, any ideals out there.
> Bill/WA5GHR

A true Windom antenna is not an "all band" antenna but rather a single wire fed antenna that works on even multiples of the fundamental frequency (e.g. 80/40/20/10 but not 60, 30, 15). Look in the ARRL Handbook or ARRL Antenna Manual.

OTOH, you can feed a random hunk of wire on about any frequency, but it's just a random wire then. Also a lot of people today feed an off center antenna with balanced wire and call that a Windom but that is more properly an OCF (Off Center Fed) dipole .

The other problem with a Windom is that, on receive, it tends to pick up more noise than a good dipole.

Ken

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20557. Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 23:27:12 UTC
From: Steven Nelson
Topic: 104 Message: 20557

Ok...I know I am probably opening a can of worms...

I am installing a G5RV in my attic, and need to run some coax from the end point of the balun (it is fed with ladder line to a 4:1 balun), and need to connect that into my rig. I am running my old TS-530S, so I am not running a lot of power, nor am I expecting to pick up on the the weakest DX around.

My question is: is it really worth the extra money to buy the RG-8U, or can I simply get by with RG-58U? The 58U is easier to work with, but I know that the RG-8U has better transmission characteristics.

I would like to hear the groups thoughts on the price/performance between the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.

Any thoughts would be appreciated!

Thanks!

Steve
KA0GWU

20558. Re: Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 23:27:41 UTC
From: Big
Topic: 20535 Message: 20558

--- In ham-antennas@yahoogroups.com, "kj4fgi" <kj4fgi@...> wrote:
>
>
> The other 200 will be on the spool angled if it takes it off, 300 feet and the weight of the wire taken into consideration I don't think it would make the length of a football field, but I could be wrong.
>
> Ed kj4fgi
>
>
Another Ham and myself were discussing this very thing a couple of days ago regarding how to launch a wire over sturdy tree limbs up about 125 feet...

Instead of initially using the wire itself attached to the weighted aarow,, use a fishing casting reel with the small plastic test line that is on the real, launch your weighted aarow as planned with the crossbow or bow and let the line feed off of the reel set to freewheel in the casting ? position. there is minimal drag on the real and the fishing line, when you have the (weighted) aarow back down near the ground on the return trip remove the aarow from the line and attach your wire to the line, now reel back in the fishing line (line moving in reverse) and it will pull your wire back down to you..
Ok ?
Kim K7DGI and an old tymer who's name and call escape me..

20559. Re: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-12 23:58:15 UTC
From: GG Higgs
Topic: 20549 Message: 20559

On 11/12/2011 12:41 PM, robert duckworth wrote:
>
>
> I would like to know is there a place to find a half wave antenna fed
> with coax without tuner and no counterpoise needed. I hope I can find
> one here on internet and photos thanks Robert
>
>
> [Non-text portions of this message have been removed]
>
>
> Reply to sender
> <mailto:ke4dyg@...?subject=Re%3A%20end%20fed%20antennas%20with%20coax%20half%20wave%20without%20tuner>
> | Reply to group
> <mailto:ham-antennas@yahoogroups.com?subject=Re%3A%20end%20fed%20antennas%20with%20coax%20half%20wave%20without%20tuner>
> | Reply via web post
> <http://groups.yahoo.com/group/ham-antennas/post;_ylc=X3oDMTJyczQ4Zzg5BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyMDU0OQRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzEzMjExMjMyNzQ-?act=reply&messageNum=20549>
> | Start a New Topic
> <http://groups.yahoo.com/group/ham-antennas/post;_ylc=X3oDMTJmZThva21yBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzEzMjExMjMyNzQ-
>
>
> Messages in this topic
> <http://groups.yahoo.com/group/ham-antennas/message/20549;_ylc=X3oDMTM3MjZ1aWFjBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyMDU0OQRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzEzMjExMjMyNzQEdHBjSWQDMjA1NDk->
> (1)
> Recent Activity:
>
> * New Members
> <http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJndGE5Z2RqBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMzIxMTIzMjc0?o=6>
> 14
>
> Visit Your Group
> <http://groups.yahoo.com/group/ham-antennas;_ylc=X3oDMTJmYWw2MTZxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEzMjExMjMyNzQ->
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are

> NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> MARKETPLACE
>
> Stay on top of your group activity without leaving the page you're on
> - Get the Yahoo! Toolbar now.
> <http://global.ard.yahoo.com/SIG=15ot8hdid/M=493064.14543979.14562481.13298430/D=groups/S=1705063108:MKP1/Y=YAHOO/EXP=1321130474/L=e683db58-0d5d-11e1-becf-338c0d42df0b/B=RQvbEkoGYmc-/J=1321123274843148/K=4NItcTiO8EkNIM5Ku33eSg/A=6060255/R=0/SIG=1194m4keh/*http://us.toolbar.yahoo.com/?.cpdl=grpj>
>
> Yahoo! Groups
> <http://groups.yahoo.com/;_ylc=X3oDMTJlOTAzaW80BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyMTEyMzI3NA-->
>
> Switch to: Text-Only
> <mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional>,
> Daily Digest
> <mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest>
> . Unsubscribe
> <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe>
> . Terms of Use <http://docs.yahoo.com/info/terms/>
> .
>
> __,_._,_http://www.lnrprecision.com/

Check the URL for End-Fedz....have two myself and they work great.

Gary, N5XED

> __

[Non-text portions of this message have been removed]

20560. Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 00:53:50 UTC
From: roger.h@comcast.net
Topic: 104 Message: 20560

IMHO, RG 58 is only good for speaker wire. Very Very Lossy. In saving money mode, I went to Home Depot and bought several hundred feet of Dual sheild RG 6 cable tv coax. It's 75 ohm and works great for me on a 145' ZEP after balun. !65' to shack. I wouldn't run high power with it though. It was .24 cents per foot. It's not the best but good enough for me and it's mostly underground. It's got to be much better than RG 58. They have a higher quality RG 6 quad sheilded and it's much higher in cost. Google the specs on RG6 and see what you get. good luck Roger, 73, W4IV

[Non-text portions of this message have been removed]

20561. RE: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 01:10:15 UTC
From: robert duckworth
Topic: 20549 Message: 20561

I am think about a vertical not a half wave dipole and something with a lower angle of radiation

> To: ham-antennas@yahoogroups.com
> From: wa8jxm@...
> Date: Sat, 12 Nov 2011 16:40:50 -0500
> Subject: Re: [ham-antennas] end fed antennas with coax half wave without tuner
>
>
> On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
>
> > I would like to know is there a place to find a half wave antenna fed with coax without tuner and no counterpoise needed. I hope I can find one here on internet and photos thanks Robert
> >
>
> The typical half wave dipole is fed in the center with coax and can offer a reasonable match.
>
> I suggest that you pick a good antenna book and study it and learn about antennas.
>
> Ken
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20562. Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 01:21:35 UTC
From: wb8vlc
Topic: 20549 Message: 20562

http://www.lnrprecision.com/

The Co. above makes what your looking for but I just made my own which was a lot cheaper and seems to work fine; however, I'm just a starving RF engineer so I'm cheap.

Since it's a wire antenna you could stick in some PVC pipe or hang the top from a tree branch if you want true vertical mounting.

Mike

--- In ham-antennas@yahoogroups.com, robert duckworth <ke4dyg@...> wrote:
>
>
> I am think about a vertical not a half wave dipole and something with a lower angle of radiation
>
> > To: ham-antennas@yahoogroups.com
> > From: wa8jxm@...
> > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > Subject: Re: [ham-antennas] end fed antennas with coax half wave without tuner
> >
> >
> > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> >
> > > I would like to know is there a place to find a half wave antenna fed with coax without tuner and no counterpoise needed. I hope I can find one here on internet and photos thanks Robert
> > >
> >
> > The typical half wave dipole is fed in the center with coax and can offer a reasonable match.
> >
> > I suggest that you pick a good antenna book and study it and learn about antennas.
> >
> > Ken
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com

> > Yahoo! Groups Links
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

20563. RE: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 02:04:25 UTC
From: Richard Schmuke
Topic: 104 Message: 20563

Do some Google searches for coax loss. You will find that RG58U is OK for 80M but as you go higher in frequency the losses increase. Once you lose a signal be it incoming or outgoing you can't regain it. I would invest in the RG-8 size coax. This is just my outlook on coax. How short or long is your run of coax going to be ? My 450 ohm line runs to a switchable 1:1 or 4:1 balun then only about 18 inches of coax to the tuner. With a short run the RG58 is workable, I use RG-8X for some jumpers, 9913F for others and Belden 8237 outside

I am not familiar with your tuner, the only 949 I have worked with has a stepped coil not a roller inductor. I use a MFJ-962, MFJ-941 and homemade long wire tuner.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Steven Nelson
Sent: Saturday, November 12, 2011 5:27 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Coax question

Ok...I know I am probably opening a can of worms...

I am installing a G5RV in my attic, and need to run some coax from the end point of the balun (it is fed with ladder line to a 4:1 balun), and need to connect that into my rig. I am running my old TS-530S, so I am not running a lot of power, nor am I expecting to pick up on the the weakest DX around.

My question is: is it really worth the extra money to buy the RG-8U, or can I simply get by with RG-58U? The 58U is easier to work with, but I know that the RG-8U has better transmission characteristics.

I would like to hear the groups thoughts on the price/performance between the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.

Any thoughts would be appreciated!

Thanks!

Steve
KA0GWU

[Non-text portions of this message have been removed]

20564. Re: [ham-antennas] Re: Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 02:49:37 UTC
From: Artekmedia
Topic: 20535 Message: 20564

I use an 8' surf rod with 40lb braided line and 2 to 3oz "bank sinker" .
I also tie a bit of fluorescent pink plastic (garden supply) tie to
make it easier to see the line on the other side . Once over the tree I
cut off the sinker and tie it to some 3/16" nylon line to pull back over
the tree. Never try to pull the sinker back up through the tree it
invariably wraps around a branch. Once I have the light rope up there I
can position it though the branches better by using an old fashioned
window sash weight (about 5 lbs) pull the weight up then let it fall
back closer to main trunk . I then put a pulley on the end of the rope
and pull that and the antenna hoisting line through the pulley. Once the
antenna is hooked to the line through the pulley I use the window sash
weight to hold the antenna taught while the tree sways in the wind .
This system will stay up a couple of years without wearing the rope
through. As a matter of course I change out the rope every couple of years

73
Dave
NR1DX

On 11/12/2011 5:27 PM, Big wrote:
>
>
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "kj4fgi" <kj4fgi@...> wrote:
> >
> >
> > The other 200 will be on the spool angled if it takes it off, 300
> feet and the weight of the wire taken into consideration I don't think
> it would make the length of a football field, but I could be wrong.
> >
> > Ed kj4fgi
> >
> >
> Another Ham and myself were discussing this very thing a couple of
> days ago regarding how to launch a wire over sturdy tree limbs up
> about 125 feet...
>
> Instead of initially using the wire itself attached to the weighted
> aarow,, use a fishing casting reel with the small plastic test line
> that is on the real, launch your weighted aarow as planned with the
> crossbow or bow and let the line feed off of the reel set to freewheel
> in the casting ? position. there is minimal drag on the real and the
> fishing line, when you have the (weighted) aarow back down near the
> ground on the return trip remove the aarow from the line and attach

> your wire to the line, now reel back in the fishing line (line moving
> in reverse) and it will pull your wire back down to you..
> Ok ?
> Kim K7DGI and an old tymer who's name and call escape me..
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20565. Re: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 02:58:04 UTC
From: Artekmedia
Topic: 104 Message: 20565

Steve

You don't say but I am guessing your coax run is less than 50' that plus the fact your running only about a 100 watts would say RG-58 will be fine ..if your really feeling unsure the RG-8X (smaller than RG-8) would be your next best bet. You will nopt experience enough loss in 50' of RG58 to talk about especially in an already compromised attic antenna situation

Good luck
73
Dave
Nr1DX

On 11/12/2011 5:27 PM, Steven Nelson wrote:
>
> Ok...I know I am probably opening a can of worms...
>
> I am installing a G5RV in my attic, and need to run some coax from the
> end point of the balun (it is fed with ladder line to a 4:1 balun),
> and need to connect that into my rig. I am running my old TS-530S, so
> I am not running a lot of power, nor am I expecting to pick up on the
> the weakest DX around.
>
> My question is: is it really worth the extra money to buy the RG-8U,
> or can I simply get by with RG-58U? The 58U is easier to work with,
> but I know that the RG-8U has better transmission characteristics.
>
> I would like to hear the groups thoughts on the price/performance
> between the two, or even if another coax spec would be better
> considered. I do have an MFJ-949 roller inductor tuner, so I can run
> different feed lines if necessary.
>
> Any thoughts would be appreciated!
>
> Thanks!
>
> Steve
> KA0GWU
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com

PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20566. Re: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 03:04:20 UTC
From: John P.
Topic: 104 Message: 20566

Try RG8X. Better than RG58 and almost (90%) as good as RG8. RG8X is also just very slightly bigger than rg58

John - WA2HIP
http://wa2hip.com

--- On Sat, 11/12/11, Steven Nelson <nelsonse@...> wrote:

From: Steven Nelson <nelsonse@...>
Subject: [ham-antennas] Coax question
To: ham-antennas@yahoogroups.com
Date: Saturday, November 12, 2011, 6:27 PM

Ok...I know I am probably opening a can of worms...

I am installing a G5RV in my attic, and need to run some coax from the end point of the balun (it is fed with ladder line to a 4:1 balun), and need to connect that into my rig. I am running my old TS-530S, so I am not running a lot of power, nor am I expecting to pick up on the the weakest DX around.

My question is: is it really worth the extra money to buy the RG-8U, or can I simply get by with RG-58U? The 58U is easier to work with, but I know that the RG-8U has better transmission characteristics.

I would like to hear the groups thoughts on the price/performance between the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.

Any thoughts would be appreciated!

Thanks!

Steve

KA0GWU

[Non-text portions of this message have been removed]

20567. RE: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 05:20:56 UTC
From: KA9EGW
Topic: 104 Message: 20567

Correct me if I'm wrong, but doesn't RG8X use the same adapters as RG59?
73, Bran KA9EGW

-----Original Message-----
From: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: Saturday, November 12, 2011 9:04 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Coax question

Try RG8X. Better than RG58 and almost (90%) as good as RG8. RG8X is also just very slightly bigger than rg58

John - WA2HIP
http://wa2hip.com

--- On Sat, 11/12/11, Steven Nelson <nelsonse@gmail.com> wrote:

From: Steven Nelson <nelsonse@...>
Subject: [ham-antennas] Coax question
To: ham-antennas@yahoogroups.com
Date: Saturday, November 12, 2011, 6:27 PM

Ok...I know I am probably opening a can of worms...

I am installing a G5RV in my attic, and need to run some coax from the end point of the balun (it is fed with ladder line to a 4:1 balun), and need to connect that into my rig. I am running my old TS-530S, so I am not running a lot of power, nor am I expecting to pick up on the the weakest DX around.

My question is: is it really worth the extra money to buy the RG-8U, or can I simply get by with RG-58U? The 58U is easier to work with, but I know that the RG-8U has better transmission characteristics.

I would like to hear the groups thoughts on the price/performance between the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.

Any thoughts would be appreciated!

Thanks!

Steve

KA0GWU

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20568. Re: Longwire Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 05:28:21 UTC
From: kj4fgi
Topic: 20535 Message: 20568

I guess 18 gauge is good enough, thank you for every ones help. I can not use any line and pull it over the tree, the trees are across a stream and it's like a forest so I will tie the wire to an arrow which is metal and weight it with a couple of bolts as suggested, but I will use a leader of non conducting rope.

Thanks to all for your help!!! Ed kj4fgi

--- In ham-antennas@yahoogroups.com, "Big" <k7dgi@...> wrote:
>
>
>
> --- In ham-antennas@yahoogroups.com, "kj4fgi" <kj4fgi@> wrote:
> >
> >
> > The other 200 will be on the spool angled if it takes it off, 300 feet and the weight of the wire taken into consideration I don't think it would make the length of a football field, but I could be wrong.
> >
> > Ed kj4fgi
> >
> >
> Another Ham and myself were discussing this very thing a couple of days ago regarding how to launch a wire over sturdy tree limbs up about 125 feet...
>
> Instead of initially using the wire itself attached to the weighted aarow,, use a fishing casting reel with the small plastic test line that is on the real, launch your weighted aarow as planned with the crossbow or bow and let the line feed off of the reel set to freewheel in the casting ? position. there is minimal drag on the real and the fishing line, when you have the (weighted) aarow back down near the ground on the return trip remove the aarow from the line and attach your wire to the line, now reel back in the fishing line (line moving in reverse) and it will pull your wire back down to you..
> Ok ?
> Kim K7DGI and an old tymer who's name and call escape me..
>

20569. RE: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 06:47:04 UTC
From: John P.
Topic: 104 Message: 20569

You are Correct !!!!!!!!!!!!!!!!

--- On Sun, 11/13/11, KA9EGW <ka9egw@britewerkz.com> wrote:

From: KA9EGW <ka9egw@...>
Subject: RE: [ham-antennas] Coax question
To: ham-antennas@yahoogroups.com
Date: Sunday, November 13, 2011, 12:20 AM

Correct me if I'm wrong, but doesn't RG8X use the same adapters as RG59?

73, Bran KA9EGW

-----Original Message-----

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.

Sent: Saturday, November 12, 2011 9:04 PM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] Coax question

Try RG8X. Better than RG58 and almost (90%) as good as RG8. RG8X is also just very slightly bigger than rg58

John - WA2HIP

http://wa2hip.com

--- On Sat, 11/12/11, Steven Nelson <nelsonse@...> wrote:

From: Steven Nelson <nelsonse@...>

Subject: [ham-antennas] Coax question

To: ham-antennas@yahoogroups.com

Date: Saturday, November 12, 2011, 6:27 PM

Ok...I know I am probably opening a can of worms...

I am installing a G5RV in my attic, and need to run some coax from the end point of the balun (it is fed with ladder line to a 4:1 balun), and need to connect that into my rig. I am running my old TS-530S, so I am not running a lot of power, nor am I expecting to pick up on the the weakest DX around.

My question is: is it really worth the extra money to buy the RG-8U, or can I simply get by with RG-58U? The 58U is easier to work with, but I know that the RG-8U has better

transmission characteristics.

I would like to hear the groups thoughts on the price/performance between the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.

Any thoughts would be appreciated!

Thanks!

Steve

KA0GWU

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

20570. RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 06:50:11 UTC
From: robert duckworth
Topic: 20549 Message: 20570

I am not starving just cheap I want to know is there some where I can find the way to make one. ROBERT

> To: ham-antennas@yahoogroups.com
> From: may2142@...
> Date: Sun, 13 Nov 2011 01:21:35 +0000
> Subject: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
> http://www.lnrprecision.com/
>
> The Co. above makes what your looking for but I just made my own which was a lot cheaper and seems to work fine; however, I'm just a starving RF engineer so I'm cheap.
>
> Since it's a wire antenna you could stick in some PVC pipe or hang the top from a tree branch if you want true vertical mounting.
>
>
> Mike
>
> --- In ham-antennas@yahoogroups.com, robert duckworth <ke4dyg@...> wrote:
> >
> >
> > I am think about a vertical not a half wave dipole and something with a lower angle of radiation
> >
> > > To: ham-antennas@yahoogroups.com
> > > From: wa8jxm@...
> > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > Subject: Re: [ham-antennas] end fed antennas with coax half wave without tuner
> > >
> > >
> > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> > >
> > > > I would like to know is there a place to find a half wave antenna fed with coax without tuner and no counterpoise needed. I hope I can find one here on internet and photos thanks Robert
> > > >
> > >
> > > The typical half wave dipole is fed in the center with coax and can offer a reasonable match.
> > >
> > > I suggest that you pick a good antenna book and study it and learn about antennas.
> > >
> > > Ken

> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > List owner: ham-antennas-owner@yahoogroups.com
> > > Yahoo! Groups Links
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20571. Re: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 12:00:56 UTC
From: Jon Ermels
Topic: 104 Message: 20571

OK Bran, stand corrected. Common mistake until you try to use the same adapter. RG8X is larger in diameter and uses the same one that RG6U 75 Ohm TV coax uses. Rad Shack has both.

73 de NØIGU
Jon

>_____
>From: KA9EGW <ka9egw@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, November 12, 2011 11:20 PM
>Subject: RE: [ham-antennas] Coax question
>
>Correct me if I'm wrong, but doesn't RG8X use the same adapters as RG59?
>73, Bran KA9EGW
>
>-----Original Message-----
>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
>Sent: Saturday, November 12, 2011 9:04 PM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Coax question
>
>Try RG8X. Better than RG58 and almost (90%) as good as RG8. RG8X is also just very slightly bigger than rg58
>
>John - WA2HIP
>http://wa2hip.com
>
>--- On Sat, 11/12/11, Steven Nelson <nelsonse@...> wrote:
>
>From: Steven Nelson <nelsonse@...>
>Subject: [ham-antennas] Coax question
>To: ham-antennas@yahoogroups.com
>Date: Saturday, November 12, 2011, 6:27 PM
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>   Ok...I know I am probably opening a can of worms...
>
>
>
>I am installing a G5RV in my attic, and need to run some coax from the end point of the balun (it is fed with ladder line to a 4:1 balun), and need to connect that into my rig. I am running my old TS-530S, so I am not running a lot of power, nor am I expecting to pick up on the the weakest DX around.
>
>
>
>My question is: is it really worth the extra money to buy the RG-8U, or can I simply get by with RG-58U? The 58U is easier to work with, but I know that the RG-8U has better transmission characteristics.
>
>
>
>I would like to hear the groups thoughts on the price/performance between the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.
>
>
>
>Any thoughts would be appreciated!
>
>
>
>Thanks!
>
>
>
>Steve
>
>KA0GWU
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@...m
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20572. Re: Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 12:18:04 UTC
From: Chris Baker
Topic: 104 Message: 20572

A true G5RV does not have a 4:1 balun @ the junction of the open wire & coax.

I would suggest you google the coax get the spec sheets & compare, for a short run RG 58 is ok but RG8 is better for longer runs.

If in the loft, why not make it into a doublet by replacing the feeder with a length of ribbon from the centre of the aerial to a 1:1 current balun at the AMU
(less loss in the ribbon cable & the 1:1 lets the AMU do the transforming work)

Thanks

Chris Baker B.A.

Sunny Morecambe, the gateway to the Lakes
ARS: G4LDS
WAB:SD 46
LOC: IO84 NB
G-QRP: 6884
IOTA: EU005
The SANDS Contest group : G1T
G4LDS@...

[Non-text portions of this message have been removed]

20573. Re: Windom

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 12:20:26 UTC
From: Chris Baker
Topic: 2400 Message: 20573

Do you mean a true windom (single wire feeder) or the OCFD?
I run a simple 66' top OCFD fed 22' from one end to a 4:1 current balun to coax to the AMU.
Google OCFD or carolina windom

Thanks

Chris Baker B.A.

Sunny Morecambe, the gateway to the Lakes
ARS: G4LDS
WAB:SD 46
LOC: IO84 NB
G-QRP: 6884
IOTA: EU005
The SANDS Contest group : G1T
G4LDS@...

[Non-text portions of this message have been removed]

20574. Re: [ham-antennas] Re: Windom

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 12:30:29 UTC
From: Bill Walker
Topic: 2400 Message: 20574

I was thing about a OCFD that could be tuned to 80 to 10. I have a 4:1 balum new in my junk box. I plan to use RG8x as a feed line off a 39' tower.
Bill/WA5GHR

--- On Sun, 11/13/11, Chris Baker <honywood@...> wrote:

From: Chris Baker <honywood@...>
Subject: [ham-antennas] Re: Windom
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Date: Sunday, November 13, 2011, 6:20 AM

Do you mean a true windom (single wire feeder) or the OCFD?
I run a simple 66' top OCFD fed 22' from one end to a 4:1 current balun to coax to the AMU.
Google OCFD or carolina windom

Thanks

Chris Baker B.A.

Sunny Morecambe, the gateway to the Lakes
ARS: G4LDS
WAB:SD 46
LOC: IO84 NB
G-QRP: 6884
IOTA: EU005
The SANDS Contest group : G1T
G4LDS@...

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20575. RE: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 13:13:48 UTC
From: KA9EGW
Topic: 104 Message: 20575

Now that this can of worms is opened...what sort of adapters go with LMR400? I'm pondering a better 2m antenna this winter, and the 17 feet of truckstop-CB-shop coax feeding my J-pole has GOT to go.

Anyone here ever had success making their own hardline for straight runs?

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jon Ermels
Sent: Sunday, November 13, 2011 6:01 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Coax question

OK Bran, stand corrected. Common mistake until you try to use the same adapter. RG8X is larger in diameter and uses the same one that RG6U 75 Ohm TV coax uses. Rad Shack has both.

73 de NØIGU
Jon

>_____
>From: KA9EGW <ka9egw@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, November 12, 2011 11:20 PM
>Subject: RE: [ham-antennas] Coax question
>
>Correct me if I'm wrong, but doesn't RG8X use the same adapters as RG59?
>73, Bran KA9EGW
>
>-----Original Message-----
>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
>Sent: Saturday, November 12, 2011 9:04 PM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Coax question
>
>Try RG8X. Better than RG58 and almost (90%) as good as RG8. RG8X is also just very slightly bigger than rg58
>
>John - WA2HIP
>http://wa2hip.com
>
>--- On Sat, 11/12/11, Steven Nelson <nelsonse@...> wrote:
>

>From: Steven Nelson <nelsonse@...>
>Subject: [ham-antennas] Coax question
>To: ham-antennas@yahoogroups.com
>Date: Saturday, November 12, 2011, 6:27 PM
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>   Ok...I know I am probably opening a can of worms...
>
>
>
>I am installing a G5RV in my attic, and need to run some coax from the end point of the balun (it is fed with ladder line to a 4:1 balun), and need to connect that into my rig. I am running my old TS-530S, so I am not running a lot of power, nor am I expecting to pick up on the the weakest DX around.
>
>
>
>My question is: is it really worth the extra money to buy the RG-8U, or can I simply get by with RG-58U? The 58U is easier to work with, but I know that the RG-8U has better transmission characteristics.
>
>
>
>I would like to hear the groups thoughts on the price/performance between the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.
>
>
>
>Any thoughts would be appreciated!
>
>
>

>Thanks!
>
>
>
>Steve
>
>KA0GWU
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>------------------------------------

>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20576. RE: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 13:13:48 UTC
From: KA9EGW
Topic: 104 Message: 20576

Good to know! I've even seen that mistake propagated on amateur radio retailer websites. Another long-standing "conventional wisdom" bites the dust... :-)

TNX OM
73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jon Ermels
Sent: Sunday, November 13, 2011 6:01 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Coax question

OK Bran, stand corrected. Common mistake until you try to use the same adapter. RG8X is larger in diameter and uses the same one that RG6U 75 Ohm TV coax uses. Rad Shack has both.

73 de NØIGU
Jon

>_____
>From: KA9EGW <ka9egw@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, November 12, 2011 11:20 PM
>Subject: RE: [ham-antennas] Coax question
>
>Correct me if I'm wrong, but doesn't RG8X use the same adapters as RG59?
>73, Bran KA9EGW
>
>-----Original Message-----
>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
>Sent: Saturday, November 12, 2011 9:04 PM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Coax question
>
>Try RG8X. Better than RG58 and almost (90%) as good as RG8. RG8X is also just very slightly bigger than rg58
>
>John - WA2HIP
>http://wa2hip.com
>
>--- On Sat, 11/12/11, Steven Nelson <nelsonse@...> wrote:
>
>From: Steven Nelson <nelsonse@...>

>Subject: [ham-antennas] Coax question
>To: ham-antennas@yahoogroups.com
>Date: Saturday, November 12, 2011, 6:27 PM
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>   Ok...I know I am probably opening a can of worms...
>
>
>
>I am installing a G5RV in my attic, and need to run some coax from the end point of the balun (it is fed with ladder line to a 4:1 balun), and need to connect that into my rig. I am running my old TS-530S, so I am not running a lot of power, nor am I expecting to pick up on the the weakest DX around.
>
>
>
>My question is: is it really worth the extra money to buy the RG-8U, or can I simply get by with RG-58U? The 58U is easier to work with, but I know that the RG-8U has better transmission characteristics.
>
>
>
>I would like to hear the groups thoughts on the price/performance between the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.
>
>
>
>Any thoughts would be appreciated!
>
>
>
>Thanks!

>
>
>
>Steve
>
>KA0GWU
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>------------------------------------
>

>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20577. Re: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 14:39:32 UTC
From: Ron Youvan
Topic: 104 Message: 20577

Brian KA9EGW wrote:

> Now that this can of worms is opened...what sort of adapters go with LMR400?
> I'm pondering a better 2m antenna this winter, and the 17 feet of
> truckstop-CB-shop coax feeding my J-pole has GOT to go.

> Anyone here ever had success making their own hardline for straight runs?

Originally that was the only kind there was. Weather is the first problem.
Wind the second.

see:

http://www.73cnc.com/product_p/ls100.htm

http://www.metacafe.com/watch/4610193/ladder_snap_antenna_feedline_spreaders/

http://members.cox.net/w1aex/owl.html

http://www.youtube.com/watch?v=yrREQyMI7RI
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20578. RE: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 14:53:48 UTC
From: Bill Walker
Topic: 104 Message: 20578

Almost; sleeve is about a mm larger.
Bill/WA5GHR

--- On Sat, 11/12/11, KA9EGW <ka9egw@...> wrote:

From: KA9EGW <ka9egw@...>
Subject: RE: [ham-antennas] Coax question
To: ham-antennas@yahoogroups.com
Date: Saturday, November 12, 2011, 11:20 PM

Correct me if I'm wrong, but doesn't RG8X use the same adapters as RG59?
73, Bran KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of John P.
Sent: Saturday, November 12, 2011 9:04 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Coax question

Try RG8X. Better than RG58 and almost (90%) as good as RG8. RG8X is also just very slightly bigger than rg58

John - WA2HIP
http://wa2hip.com

--- On Sat, 11/12/11, Steven Nelson <nelsonse@...> wrote:

From: Steven Nelson <nelsonse@...>
Subject: [ham-antennas] Coax question
To: ham-antennas@yahoogroups.com
Date: Saturday, November 12, 2011, 6:27 PM

Ok...I know I am probably opening a can of worms...

I am installing a G5RV in my attic, and need to run some coax from the end point of the balun (it is fed with ladder line to a 4:1 balun), and need to connect that into my rig. I am running my old TS-530S, so I am not running a lot of power, nor am I expecting to pick up on the the weakest DX around.

My question is: is it really worth the extra money to buy the RG-8U, or can I simply get by with RG-58U? The 58U is easier to work with, but I know that the RG-8U has better transmission characteristics.

I would like to hear the groups thoughts on the price/performance between the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.

Any thoughts would be appreciated!

Thanks!

Steve

KA0GWU

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20579. Re: Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 16:13:45 UTC
From: Mike Rodgers
Topic: 104 Message: 20579

I believe lmr 400 is the same size as
Rg8, no adapter needed.I know the Davis rf direct bury with lmr400 spec is. Same 99 cent price from universal radio.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

20580. Re: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 16:37:51 UTC
From: Ron Youvan
Topic: 104 Message: 20580

Brian KA9EGW wrote:

> Now that this can of worms is opened...what sort of adapters go with LMR400?
> I'm pondering a better 2m antenna this winter, and the 17 feet of
> truckstop-CB-shop coax feeding my J-pole has GOT to go.

The LMR400-UF (direct burial version) that I have has an inner conductor slightly larger than
regular RG-8/U, so special PL-259's and "N" connector are available for it.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20581. Re: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 16:49:31 UTC
From: Ron Youvan
Topic: 104 Message: 20581

Brian KA9EGW wrote:

> Anyone here ever had success making their own hardline for straight runs?

I've seen it in HAM magazines long ago, two sizes of copper tubing with insulators between. I think it is not practical, the tubing is not cheep and the insulation maternal hard to find and
work with, the store bought stuff takes advantages of modern manufacturing processes like laminating
copper foil over an aluminum rod and foam insulation covered with copper foil, the work and price
difference of making it your self a bad move, but you can use open wire feedline for straight runs
(at any frequency) a lot easier to make and lower loss.
Another alternative is to pick up scraps of 3/8", 1/2", and 3/4" aluminum cable system hard line.
Although it is 75 Ohms don't let that bother you. The only problem is you can't splice it without
buying splicing kits. (It can be done but the changes of a leak free joint is slim.)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20582. Re: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 18:13:14 UTC
From: dean
Topic: 104 Message: 20582

I’m using LMR 400 on everything. I use the same connectors as RG-8. I love it.

73, WY6L

From: KA9EGW
Sent: Sunday, November 13, 2011 5:13 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Coax question

Now that this can of worms is opened...what sort of adapters go with LMR400?
I'm pondering a better 2m antenna this winter, and the 17 feet of
truckstop-CB-shop coax feeding my J-pole has GOT to go.

Anyone here ever had success making their own hardline for straight runs?

73, Brian KA9EGW

-----Original Message-----
From: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-antennas%40yahoogroups.com]
On
Behalf Of Jon Ermels
Sent: Sunday, November 13, 2011 6:01 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: Re: [ham-antennas] Coax question

OK Bran, stand corrected. Common mistake until you try to use the same
adapter. RG8X is larger in diameter and uses the same one that RG6U 75 Ohm
TV coax uses. Rad Shack has both.

73 de NØIGU
Jon

>_____
>From: KA9EGW <mailto:ka9egw%40britewerkz.com>
>To: mailto:ham-antennas%40yahoogroups.com
>Sent: Saturday, November 12, 2011 11:20 PM
>Subject: RE: [ham-antennas] Coax question
>
>Correct me if I'm wrong, but doesn't RG8X use the same adapters as RG59?
>73, Bran KA9EGW
>
>-----Original Message-----
>From: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] On
Behalf Of John P.
>Sent: Saturday, November 12, 2011 9:04 PM
>To: mailto:ham-antennas%40yahoogroups.com

>Subject: Re: [ham-antennas] Coax question
>
>Try RG8X. Better than RG58 and almost (90%) as good as RG8. RG8X is also
just very slightly bigger than rg58
>
>John - WA2HIP
>http://wa2hip.com
>
>--- On Sat, 11/12/11, Steven Nelson <mailto:nelsonse%40gmail.com> wrote:
>
>From: Steven Nelson <mailto:nelsonse%40gmail.com>
>Subject: [ham-antennas] Coax question
>To: mailto:ham-antennas%40yahoogroups.com
>Date: Saturday, November 12, 2011, 6:27 PM
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Ok...I know I am probably opening a can of worms...
>
>
>
>I am installing a G5RV in my attic, and need to run some coax from the end
point of the balun (it is fed with ladder line to a 4:1 balun), and need to
connect that into my rig. I am running my old TS-530S, so I am not running
a lot of power, nor am I expecting to pick up on the the weakest DX around.
>
>
>
>My question is: is it really worth the extra money to buy the RG-8U, or can
I simply get by with RG-58U? The 58U is easier to work with, but I know
that the RG-8U has better transmission characteristics.
>
>
>
>I would like to hear the groups thoughts on the price/performance between

the two, or even if another coax spec would be better considered. I do have an MFJ-949 roller inductor tuner, so I can run different feed lines if necessary.
>
>
>
>Any thoughts would be appreciated!
>
>
>
>Thanks!
>
>
>
>Steve
>
>KA0GWU
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: mailto:ham-antennas%40yahoogroups.com

>Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>List owner: mailto:ham-antennas-owner%40yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
>Post message: mailto:ham-antennas%40yahoogroups.com
>Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>List owner: mailto:ham-antennas-owner%40yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20583. RE: [ham-antennas] Coax question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-13 20:12:03 UTC
From: Richard Schmuke
Topic: 104 Message: 20583

Please note LMR400-UF does not take special connectors. The center conductor is the same diameter as Belden 9913 and 9913F, it is a perfect fit for standard Amphenol PL-259. If you look at some of the cheaper knock off connectors the have a thicker wall on the center pin and will not work without reaming out to 7/64.

I get them here for as low as $1.65, Teflon ones are higher, $0.99 for the cheaper ones that don't fit the 400 or 9913.
http://www.gatewaycatalog.com/cgi-bin/category.cgi. I shop the local store and they carry several grades.

Rich

Subject: Re: [ham-antennas] Coax question

Brian KA9EGW wrote:

> Now that this can of worms is opened...what sort of adapters go with LMR400?
> I'm pondering a better 2m antenna this winter, and the 17 feet of
> truckstop-CB-shop coax feeding my J-pole has GOT to go.

The LMR400-UF (direct burial version) that I have has an inner conductor slightly larger than
regular RG-8/U, so special PL-259's and "N" connector are available for it.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

20584. Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 01:25:25 UTC
From: Wayne
Topic: 20584 Message: 20584

Would anyone know a good website or websites showing how to construct traps for homebrew vertical antennas? I have Googled a number of sites but just can't find what I'm looking for.

Thanks.
Wayne
NM3B

20585. Re: [ham-antennas] Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 01:36:36 UTC
From: Ken Burchfield
Topic: 20584 Message: 20585

Here is one such
site:http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Wayne <wayne15857@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 13, 2011 7:25 PM
Subject: [ham-antennas] Vertical traps

Would anyone know a good website or websites showing how to construct traps for homebrew vertical antennas? I have Googled a number of sites but just can't find what I'm looking for.

Thanks.
Wayne
NM3B

[Non-text portions of this message have been removed]

20586. Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 01:41:08 UTC
From: Wayne
Topic: 20584 Message: 20586

--- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@...> wrote:
>
> Here is one such
site:http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm
> 73 Ken
>
>
> PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200
Baud
>
>
>
>
> _____
> From: Wayne <wayne15857@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, November 13, 2011 7:25 PM
> Subject: [ham-antennas] Vertical traps
>
> Would anyone know a good website or websites showing how to construct traps for homebrew
vertical antennas? I have Googled a number of sites but just can't find what I'm looking
for.
>
> Thanks.
> Wayne
> NM3B
>
> [Non-text portions of this message have been removed]
>
Ken,
Thanks for the info and I did bookmark that site. There are a lot of sites available but
just can't come up with one I really like.

Wayne

20587. Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 01:41:24 UTC
From: Wayne
Topic: 20584 Message: 20587

--- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@...> wrote:
>
> Here is one such
site:http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm
> 73 Ken
>
>
> PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200
Baud
>
>
>
>
> _____
> From: Wayne <wayne15857@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, November 13, 2011 7:25 PM
> Subject: [ham-antennas] Vertical traps
>
> Would anyone know a good website or websites showing how to construct traps for homebrew
vertical antennas? I have Googled a number of sites but just can't find what I'm looking
for.
>
> Thanks.
> Wayne
> NM3B
>
> [Non-text portions of this message have been removed]
>
Ken,
Thanks for the info and I did bookmark that site. There are a lot of sites available but
just can't come up with one I really like.

Wayne

20588. Re: [ham-antennas] Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 02:46:51 UTC
From: Ron Youvan
Topic: 20584 Message: 20588

Wayne NM3B wrote:

> Would anyone know a good website or websites showing how to construct traps for home-brew vertical
> antennas? I have Googled a number of sites but just can't find what I'm looking for.

The traps made with coax (and no capacitor) are superior to the old fashion kind with a separate
coil and capacitor.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20589. Weatherproofing connections

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 04:53:09 UTC
From: urei
Topic: 20589 Message: 20589

Has anybody ever used a product called "Liquid Electrical Tape" for
sealing and weatherproofing connections? I saw some mention a few messages ago of using Plasti-Dip and it reminded me that I have a can
of "Electrical Tape" that I bought for something else and I've been thinking of using it on some connectors that'll be going up in the air in the next few days. It's similar to, if not the same as, PlastiDip.
Liquid vinyl I think. Anybody use this before?
Thanks in advance. Mike KC2RPX

20590. Your question!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 06:03:24 UTC
From: Chris Baker
Topic: 20590 Message: 20590

Hello Friend.
nothing seemed to work for me this was my ticket to a free ride now I feel powerful I promise youll love it
http://hiteshfreightcarriers.com/StuartJones81.html
see you soon.
[Non-text portions of this message have been removed]

20591. RE: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 08:23:32 UTC
From: Rene Wit de
Topic: 20549 Message: 20591

Hello everybody,
There is an interesting forum about no-tuner ,multiband end-feds 10-20-40M on a dutch site called "www.zendamateur.com"They have also made a copy of the 20M monoband end fed from PAR (now LNR http://www.lnrprecision.com/
http://www.zendamateur.com/viewtopic.php?f=5&t=6682&p=78102&hilit=end+fed#p78102
The site is entirely in Dutch, but there are many photos and schema`s you can use for your homebrew project.Try google translate to go from Dutch to US English.
Regards,
Rene, PD0RW

To: ham-antennas@yahoogroups.com
From: wa8jxm@...
Date: Sat, 12 Nov 2011 16:40:50 -0500
Subject: Re: [ham-antennas] end fed antennas with coax half wave without tuner

On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:

> I would like to know is there a place to find a half wave antenna fed with coax without tuner and no counterpoise needed. I hope I can find one here on internet and photos thanks Robert

>

The typical half wave dipole is fed in the center with coax and can offer a reasonable match.

I suggest that you pick a good antenna book and study it and learn about antennas.

Ken

[Non-text portions of this message have been removed]

20592. RE: [Antennas] From CO8LY

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 09:33:15 UTC
From: Chris Boone
Topic: 20592 Message: 20592

Best antenna with NO 4:1 Balun would be:

Full wave LOOP on 160 with it being vertical....as much as possible....feed it in a corner (triangle or quad shape...doesnt matter) and worse SWR will be 3:1 at 2nd harmonic...use tuner and 1:1 balun.....

Have one of those at my rptr/remote base site......WORKS LIKE A HOSE!!!!

WHY 4:1??? A normal dipole uses 1:1...you COULD make a folded dipole that would need 4:1 but then you limit use on other bands....

Enjoy....

Chris
WB5ITT
> -----Original Message-----
> From: antennas-bounces@... [mailto:antennas-
> bounces@...] On Behalf Of Eduardo Somoano C
> Sent: Sunday, November 13, 2011 10:41 AM
> To: Lista 160M; Lista Antenas
> Subject: [Antennas] From CO8LY
>
> Hello 160m freinds
>
> I look for a diagram of antenna dipole for 160mtrs (or multiband) that
uses
> a
> Balum 4:1 in the center.
>
> Maybe you have that diagram.
>
> A million thank you in advance.
>
> Strong hug.73.-
>
> Eduardo CO8LY
>
> --
> ____
> Antennas mailing list
> Home: http://mailman.qth.net/mailman/listinfo/antennas
> Help: http://mailman.qth.net/mmfaq.htm
> Post: mailto:Antennas@...
>
> This list hosted by: http://www.qsl.net
> Please help support this email list: http://www.qsl.net/donate.html

20593. AW: [ham-antennas] Weatherproofing connections

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 09:45:35 UTC
From: Siegfried Jackstien
Topic: 20589 Message: 20593

It should work well
But i would add a layer of plumbers tape on the connector before
plastidipping it or you have problems if you have to remove the cable later
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von urei
> Gesendet: Montag, 14. November 2011 04:53
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Weatherproofing connections
>
>
>
>
> Has anybody ever used a product called "Liquid Electrical Tape" for
> sealing and weatherproofing connections? I saw some mention a few messages
> ago of using Plasti-Dip and it reminded me that I have a can
> of "Electrical Tape" that I bought for something else and I've been
> thinking of using it on some connectors that'll be going up in the air in
> the next few days. It's similar to, if not the same as, PlastiDip.
> Liquid vinyl I think. Anybody use this before?
> Thanks in advance. Mike KC2RPX
>
>
>
>

20594. Re: [ham-antennas] Weatherproofing connections

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 11:16:10 UTC
From: kd8bbk@aol.com
Topic: 20589 Message: 20594

I was showed by a old timer back sometime ago what a connector looks like after it has been sealed with tape for a couple of years. Pretty nasty. This elmer showed me a way to seal the end with out using tape and any kind of wrap and I been using it ever since with no fail so far. Just get some dielectric gel and fill the whole connector up with it. When you screw it up into the iso 239 it squeezes out everywhere making a water tight seal and keeps it nice and new looking. They use the same stuff to seal electrical parts on your vehicles the same way. It does tend to be a bit messy but works well. You can get it at your local auto parts store.

Tony

-----Original Message-----
From: Siegfried Jackstien <siegfried.jackstien@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Nov 14, 2011 4:48 am
Subject: AW: [ham-antennas] Weatherproofing connections

It should work well
But i would add a layer of plumbers tape on the connector before plastidipping it or you have problems if you have to remove the cable later
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von urei
> Gesendet: Montag, 14. November 2011 04:53
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Weatherproofing connections
>
>
>
>
> Has anybody ever used a product called "Liquid Electrical Tape" for
> sealing and weatherproofing connections? I saw some mention a few
messages
> ago of using Plasti-Dip and it reminded me that I have a can
> of "Electrical Tape" that I bought for something else and I've been
> thinking of using it on some connectors that'll be going up in the
air in
> the next few days. It's similar to, if not the same as, PlastiDip.
> Liquid vinyl I think. Anybody use this before?

> Thanks in advance. Mike KC2RPX
>
>
>
>

20595. Re: [ham-antennas] RE: [Antennas] From CO8LY

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 12:29:09 UTC
From: Frank Kirschner
Topic: 20592 Message: 20595

Sorry if this is a stupid question, but wouldn't a 2:1 balun be better? I thought a full wave loop had an impedance of around 100 ohms at resonance. Two to one would bring it to 50 ohms feed impedance.

Thanks.

73,
Frank
KF6E

On Mon, Nov 14, 2011 at 4:33 AM, Chris Boone <cboone@...> wrote:

> **
>
>
> Best antenna with NO 4:1 Balun would be:
>
> Full wave LOOP on 160 with it being vertical....as much as possible....feed
> it in a corner (triangle or quad shape...doesnt matter) and worse SWR will
> be 3:1 at 2nd harmonic...use tuner and 1:1 balun.....
>
> Have one of those at my rptr/remote base site......WORKS LIKE A HOSE!!!!
>
> WHY 4:1??? A normal dipole uses 1:1...you COULD make a folded dipole that
> would need 4:1 but then you limit use on other bands....
>
> Enjoy....
>
> Chris
> WB5ITT
> > -----Original Message-----
> > From: antennas-bounces@... [mailto:antennas-
> > bounces@...] On Behalf Of Eduardo Somoano C
> > Sent: Sunday, November 13, 2011 10:41 AM
> > To: Lista 160M; Lista Antenas
> > Subject: [Antennas] From CO8LY
> >
> > Hello 160m freinds
> >
> > I look for a diagram of antenna dipole for 160mtrs (or multiband) that
> uses
> > a
> > Balum 4:1 in the center.
> >
> > Maybe you have that diagram.
> >

> > A million thank you in advance.
> >
> > Strong hug.73.-
> >
> > Eduardo CO8LY
> >
> > _____
> > ____
> > Antennas mailing list
> > Home: http://mailman.qth.net/mailman/listinfo/antennas
> > Help: http://mailman.qth.net/mmfaq.htm
> > Post: mailto:Antennas@...
> >
> > This list hosted by: http://www.qsl.net
> > Please help support this email list: http://www.qsl.net/donate.html
>
>
>

[Non-text portions of this message have been removed]

20596. I AM FREE NOW

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 13:55:58 UTC
From: Bill Walker
Topic: 20596 Message: 20596

Hey.
I was at my wits end now I never miss a payment now im in this for the long run just trying to look out for you
http://schmuckgalerie-blankenese.de/BrianWhite50.html
bye
[Non-text portions of this message have been removed]

20597. Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 14:22:08 UTC
From: Frank Kirschner
Topic: 20549 Message: 20597

Mike,

What's in the "matching network" the Web site refers to? A balun? An L/C network?

Thanks.

73,
Frank
KF6E

On Sat, Nov 12, 2011 at 8:21 PM, wb8vlc <may2142@...> wrote:

> **
>
>
> http://www.lnrprecision.com/
>
> The Co. above makes what your looking for but I just made my own which was
> a lot cheaper and seems to work fine; however, I'm just a starving RF
> engineer so I'm cheap.
>
> Since it's a wire antenna you could stick in some PVC pipe or hang the top
> from a tree branch if you want true vertical mounting.
>
> Mike
>
>

[Non-text portions of this message have been removed]

20598. RE: [ham-antennas] RE: [Antennas] From CO8LY

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 14:23:14 UTC
From: Richard Schmuke
Topic: 20592 Message: 20598

Frank, I agree with you, I have a 2:1 balun for a singleband loop and/or a wave and a half dipole, like doing 15 on a 40M antenna. You can make a coax transformer but the 2:1 balun is not limited to a single frequency. It is not a stupid question but a good idea, IMHO.
Rich , Kd0zz

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Frank Kirschner
Sent: Monday, November 14, 2011 6:29 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: [Antennas] From CO8LY

Sorry if this is a stupid question, but wouldn't a 2:1 balun be better? I thought a full wave loop had an impedance of around 100 ohms at resonance. Two to one would bring it to 50 ohms feed impedance.

Thanks.

73,
Frank
KF6E

On Mon, Nov 14, 2011 at 4:33 AM, Chris Boone <cboone@...> wrote:

> **
>
>
> Best antenna with NO 4:1 Balun would be:
>
> Full wave LOOP on 160 with it being vertical....as much as possible....feed
> it in a corner (triangle or quad shape...doesnt matter) and worse SWR will
> be 3:1 at 2nd harmonic...use tuner and 1:1 balun.....
>
> Have one of those at my rptr/remote base site......WORKS LIKE A HOSE!!!!
>
> WHY 4:1??? A normal dipole uses 1:1...you COULD make a folded dipole that
> would need 4:1 but then you limit use on other bands....
>
> Enjoy....
>
> Chris
> WB5ITT
> > -----Original Message-----
> > From: antennas-bounces@... [mailto:antennas-

> > bounces@...] On Behalf Of Eduardo Somoano C
> > Sent: Sunday, November 13, 2011 10:41 AM
> > To: Lista 160M; Lista Antenas
> > Subject: [Antennas] From CO8LY
> >
> > Hello 160m freinds
> >
> > I look for a diagram of antenna dipole for 160mtrs (or multiband) that
> uses
> > a
> > Balum 4:1 in the center.
> >
> > Maybe you have that diagram.
> >
> > A million thank you in advance.
> >
> > Strong hug.73.-
> >
> > Eduardo CO8LY
> >
> > --
> > ____
> > Antennas mailing list
> > Home: http://mailman.qth.net/mailman/listinfo/antennas
> > Help: http://mailman.qth.net/mmfaq.htm
> > Post: mailto:Antennas@...
> >
> > This list hosted by: http://www.qsl.net
> > Please help support this email list: http://www.qsl.net/donate.html
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20599. RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 14:24:00 UTC
From: robert duckworth
Topic: 20549 Message: 20599

I am wondering would it make a difference if you the raise the feed point at the top not bottom, like if you have antenna at maybe 40 ft high and feed at top of antenna would that make any difference. ROBERT

> To: ham-antennas@yahoogroups.com
> From: may2142@...
> Date: Sun, 13 Nov 2011 01:21:35 +0000
> Subject: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
> http://www.lnrprecision.com/
>
> The Co. above makes what your looking for but I just made my own which was a lot cheaper and seems to work fine; however, I'm just a starving RF engineer so I'm cheap.
>
> Since it's a wire antenna you could stick in some PVC pipe or hang the top from a tree branch if you want true vertical mounting.
>
>
> Mike
>
> --- In ham-antennas@yahoogroups.com, robert duckworth <ke4dyg@...> wrote:
> >
> >
> > I am think about a vertical not a half wave dipole and something with a lower angle of radiation
> >
> > > To: ham-antennas@yahoogroups.com
> > > From: wa8jxm@...
> > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > Subject: Re: [ham-antennas] end fed antennas with coax half wave without tuner
> > >
> > >
> > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> > >
> > > > I would like to know is there a place to find a half wave antenna fed with coax without tuner and no counterpoise needed. I hope I can find one here on internet and photos thanks Robert
> > > >
> > >
> > > The typical half wave dipole is fed in the center with coax and can offer a reasonable match.
> > >
> > > I suggest that you pick a good antenna book and study it and learn about antennas.
> > >

> > > Ken
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > List owner: ham-antennas-owner@yahoogroups.com
> > > Yahoo! Groups Links
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20600. RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 14:27:05 UTC
From: robert duckworth
Topic: 20549 Message: 20600

I want to know where you can find any photos on how to make the feed point and how to wind the torrid thanks Robert

> To: ham-antennas@yahoogroups.com
> From: frank@...
> Date: Mon, 14 Nov 2011 09:22:08 -0500
> Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
> Mike,
>
> What's in the "matching network" the Web site refers to? A balun? An L/C
> network?
>
> Thanks.
>
> 73,
> Frank
> KF6E
>
> On Sat, Nov 12, 2011 at 8:21 PM, wb8vlc <may2142@...> wrote:
>
> > **
> > >
> > >
> > > http://www.lnrprecision.com/
> > >
> > > The Co. above makes what your looking for but I just made my own which was
> > > a lot cheaper and seems to work fine; however, I'm just a starving RF
> > > engineer so I'm cheap.
> > >
> > > Since it's a wire antenna you could stick in some PVC pipe or hang the top
> > > from a tree branch if you want true vertical mounting.
> > >
> > > Mike
> > >
> > >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20601. Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 14:28:52 UTC
From: Artekmedia
Topic: 20549 Message: 20601

No significant difference whether fed at the top or the bottom when running in the vertical mode. Usually more practical to feed it at the bottom but If your hanging it out the 4th story window then of course feeding it a the "top" is more practical

73
Dave
NR1DX

On 11/14/2011 8:24 AM, robert duckworth wrote:
>
>
> I am wondering would it make a difference if you the raise the feed
> point at the top not bottom, like if you have antenna at maybe 40 ft
> high and feed at top of antenna would that make any difference. ROBERT
>
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > From: may2142@... <mailto:may2142%40comcast.net>
> > Date: Sun, 13 Nov 2011 01:21:35 +0000
> > Subject: [ham-antennas] Re: end fed antennas with coax half wave
> without tuner
> >
> > http://www.lnrprecision.com/
> >
> > The Co. above makes what your looking for but I just made my own
> which was a lot cheaper and seems to work fine; however, I'm just a
> starving RF engineer so I'm cheap.
> >
> > Since it's a wire antenna you could stick in some PVC pipe or hang
> the top from a tree branch if you want true vertical mounting.
> >
> >
> > Mike
> >
> > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, robert duckworth <ke4dyg@...>
> wrote:
> > >
> > >
> > > I am think about a vertical not a half wave dipole and something
> with a lower angle of radiation
> > >
> > > > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>

> > > > From: wa8jxm@...
> > > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > > Subject: Re: [ham-antennas] end fed antennas with coax half wave
> without tuner
> > > >
> > > >
> > > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> > > >
> > > > > I would like to know is there a place to find a half wave
> antenna fed with coax without tuner and no counterpoise needed. I hope
> I can find one here on internet and photos thanks Robert
> > > > >
> > > >
> > > > The typical half wave dipole is fed in the center with coax and
> can offer a reasonable match.
> > > >
> > > > I suggest that you pick a good antenna book and study it and
> learn about antennas.
> > > >
> > > > Ken
> > > >
> > > > ------------------------------------
> > > >
> > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> NOT permitted.
> > > > Any statements in ANY post that may be construed as inflamatory
> MAY be cause for suspension. Moderators WILL have final say in these
> matters.
> > > > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > Yahoo! Groups Links
> > > >
> > > >
> > > >
> > > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> >
> > ------------------------------------

> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY
> be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20602. RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 15:12:46 UTC
From: robert duckworth
Topic: 20549 Message: 20602

i want to make a lower angle of radiation would a slloper be better and fed at top or bottom or vertical thanks

> To: ham-antennas@yahoogroups.com
> From: nr1dx@...
> Date: Mon, 14 Nov 2011 08:28:52 -0600
> Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
> No significant difference whether fed at the top or the bottom when
> running in the vertical mode. Usually more practical to feed it at the
> bottom but If your hanging it out the 4th story window then of course
> feeding it a the "top" is more practical
>
> 73
> Dave
> NR1DX
>
>
>
> On 11/14/2011 8:24 AM, robert duckworth wrote:
> >
> >
> > I am wondering would it make a difference if you the raise the feed
> > point at the top not bottom, like if you have antenna at maybe 40 ft
> > high and feed at top of antenna would that make any difference. ROBERT
> >
> > > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > > From: may2142@... <mailto:may2142%40comcast.net>
> > > Date: Sun, 13 Nov 2011 01:21:35 +0000
> > > Subject: [ham-antennas] Re: end fed antennas with coax half wave
> > without tuner
> > >
> > > http://www.lnrprecision.com/
> > >
> > > The Co. above makes what your looking for but I just made my own
> > which was a lot cheaper and seems to work fine; however, I'm just a
> > starving RF engineer so I'm cheap.
> > >
> > > Since it's a wire antenna you could stick in some PVC pipe or hang
> > the top from a tree branch if you want true vertical mounting.
> > >
> > >
> > > Mike
> > >

> > > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, robert duckworth <ke4dyg@...>
> > wrote:
> > > >
> > > >
> > > > I am think about a vertical not a half wave dipole and something
> > with a lower angle of radiation
> > > >
> > > > > To: ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
> > > > > From: wa8jxm@...
> > > > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > > > Subject: Re: [ham-antennas] end fed antennas with coax half wave
> > without tuner
> > > > >
> > > > >
> > > > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> > > > >
> > > > > > I would like to know is there a place to find a half wave
> > antenna fed with coax without tuner and no counterpoise needed. I hope
> > I can find one here on internet and photos thanks Robert
> > > > > >
> > > > >
> > > > > The typical half wave dipole is fed in the center with coax and
> > can offer a reasonable match.
> > > > >
> > > > > I suggest that you pick a good antenna book and study it and
> > learn about antennas.
> > > > >
> > > > > Ken
> > > > >
> > > > > ------------------------------------
> > > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > NOT permitted.
> > > > > Any statements in ANY post that may be construed as inflamatory
> > MAY be cause for suspension. Moderators WILL have final say in these
> > matters.
> > > > > Post message: ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
> > > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > List owner: ham-antennas-owner@yahoogroups.com
> > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > Yahoo! Groups Links
> > > > >
> > > > >

> > > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY
> > be cause for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > List owner: ham-antennas-owner@yahoogroups.com
> > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > Yahoo! Groups Links
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752

members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20603. Re: Weatherproofing connections

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 15:14:20 UTC
From: pchapman920
Topic: 20589 Message: 20603

No experience with it but it is in the electrical department of a local Home Depot store.

--- In ham-antennas@yahoogroups.com, "urei" <ureii@...> wrote:
>
>
> Has anybody ever used a product called "Liquid Electrical Tape" for
> sealing and weatherproofing connections? I saw some mention a few messages ago of using Plasti-Dip and it reminded me that I have a can
> of "Electrical Tape" that I bought for something else and I've been thinking of using it on some connectors that'll be going up in the air in the next few days. It's similar to, if not the same as, PlastiDip.
> Liquid vinyl I think. Anybody use this before?
> Thanks in advance. Mike KC2RPX
>

20604. RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 15:16:06 UTC
From: robert duckworth
Topic: 20549 Message: 20604

i would like to find some info on how to feed antenna wire should i torrid feed and where could i info on that maybe photos
thanks Robert

> To: ham-antennas@yahoogroups.com
> From: ke4dyg@...
> Date: Mon, 14 Nov 2011 10:12:46 -0500
> Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
>
> i want to make a lower angle of radiation would a slloper be better and fed at top or bottom or vertical thanks
>
>
> > To: ham-antennas@yahoogroups.com
> > From: nr1dx@...
> > Date: Mon, 14 Nov 2011 08:28:52 -0600
> > Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner
> >
> > No significant difference whether fed at the top or the bottom when
> > running in the vertical mode. Usually more practical to feed it at the
> > bottom but If your hanging it out the 4th story window then of course
> > feeding it a the "top" is more practical
> >
> > 73
> > Dave
> > NR1DX
> >
> >
> >
> > On 11/14/2011 8:24 AM, robert duckworth wrote:
> > >
> > >
> > > I am wondering would it make a difference if you the raise the feed
> > > point at the top not bottom, like if you have antenna at maybe 40 ft
> > > high and feed at top of antenna would that make any difference. ROBERT
> > >
> > > > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > > > From: may2142@... <mailto:may2142%40comcast.net>
> > > > Date: Sun, 13 Nov 2011 01:21:35 +0000
> > > > Subject: [ham-antennas] Re: end fed antennas with coax half wave
> > > without tuner
> > > >
> > > > http://www.lnrprecision.com/

> > > >
> > > > The Co. above makes what your looking for but I just made my own
> > > which was a lot cheaper and seems to work fine; however, I'm just a
> > > starving RF engineer so I'm cheap.
> > > >
> > > > Since it's a wire antenna you could stick in some PVC pipe or hang
> > > the top from a tree branch if you want true vertical mounting.
> > > >
> > > >
> > > > Mike
> > > >
> > > > --- In ham-antennas@yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>, robert duckworth <ke4dyg@...>
> > > wrote:
> > > > >
> > > > >
> > > > > I am think about a vertical not a half wave dipole and something
> > > with a lower angle of radiation
> > > > >
> > > > > > To: ham-antennas@yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > From: wa8jxm@...
> > > > > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > > > > Subject: Re: [ham-antennas] end fed antennas with coax half wave
> > > without tuner
> > > > > >
> > > > > >
> > > > > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> > > > > >
> > > > > > > I would like to know is there a place to find a half wave
> > > antenna fed with coax without tuner and no counterpoise needed. I hope
> > > I can find one here on internet and photos thanks Robert
> > > > > > >
> > > > > > >
> > > > > > > The typical half wave dipole is fed in the center with coax and
> > > can offer a reasonable match.
> > > > > > >
> > > > > > > I suggest that you pick a good antenna book and study it and
> > > learn about antennas.
> > > > > > >
> > > > > > > Ken
> > > > > > >
> > > > > > > ------------------------------------
> > > > > > >
> > > > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > > > Any statements in ANY post that may be construed as inflamatory
> > > MAY be cause for suspension. Moderators WILL have final say in these
> > > matters.

> > > > > > Post message: ham-antennas@yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > > List owner: ham-antennas-owner@yahoogroups.com
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > > Yahoo! Groups Links
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > ------------------------------------
> > > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > Any statements in ANY post that may be construed as inflamatory MAY
> > > be cause for suspension. Moderators WILL have final say in these matters.
> > > > > Post message: ham-antennas@yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > List owner: ham-antennas-owner@yahoogroups.com
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > Yahoo! Groups Links
> > > > >
> > > > >
> > > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > >
> > > --
> > > Dave& Lynn Henderson
> > > Manuals@...
> > > www.Artekmedia.com
> > > PO Box 175

> > Welch,MN 55089
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20605. Re: [ham-antennas] Re: Weatherproofing connections

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 15:35:28 UTC
From: Joe
Topic: 20589 Message: 20605

The best weatherproofing I have ever come by was this.

Forget silicone the acid makes things worse.

What has never ever failed was this.

Use for this only a great quality electrical tape. not the cheap 1 buck
a roll but some expensive 3m Scotch brand one that has very rubbery
stretchy properties, where you can easily stretch it twice it's resting
length.

Make the connection. The wrap with a 50% overlap, wrap tightly the
connection area, Extending about a inch past the connection.
Then spray it with any outdoor type of spray paint. One that is made for
outdoor use UV stabilized etc.
When dry do another layer of the tape the same way, but go 1 inch
further past the end of the last taping. And again spray it with the paint.
And then do it again one more time tape again and extend an extra inch
again and spray down again.

Using this method I have even had connections underground in PVC that
was flooded with water so the connection is actually under water and
never have a problem at all.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 11/14/2011 9:14 AM, pchapman920 wrote:
> No experience with it but it is in the electrical department of a local Home Depot store.
>
> --- In ham-antennas@yahoogroups.com, "urei"<ureii@...> wrote:
>>
>> Has anybody ever used a product called "Liquid Electrical Tape" for
>> sealing and weatherproofing connections? I saw some mention a few messages ago of using Plasti-Dip and it reminded me that I have a can
>> of "Electrical Tape" that I bought for something else and I've been thinking of using it on some connectors that'll be going up in the air in the next few days. It's similar to, if not the same as, PlastiDip.
>> Liquid vinyl I think. Anybody use this before?
>> Thanks in advance. Mike KC2RPX
>>
>
>

>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20606. Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 15:37:23 UTC
From: Walt
Topic: 20549 Message: 20606

I may as well weigh in with my green ignorance. New ham with new setup. I purchased a OCF Dipole/Windom - 80-6 meters dipole.It comes with a 4:1 balun in the box at the connection point.
I have it mounted next to my house attached to two trees.
As it stands it is a gentle v shape, dropping from 22 feet to around 8 feet at each end of the run on both sides.
It contacts nothing as far as the trees, and is secured with flexible connections to allow for any movement
in the trees. My problem is the SWR is out of sight. I have a Yaesu 301-D with PS and Antenna Tuner. I set
up for which ever frequency and if I tune for any output, I get that much and more reflected power. I set up
for 10 meters, tune for say 25 watts and get that much in SWR or reflected power. Everything in the shack
is grounded, and I took the rig in to the local shop where it checked out perfectly, 120 watts out on several
bands on the dummy load. At the QTH, same story. My dumb questions, where do I start looking and for what.
I had an “ugly balan” in line which I removed in case of some problem I was unaware of.

Walt

From: robert duckworth
Sent: Monday, November 14, 2011 10:16 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

i would like to find some info on how to feed antenna wire should i torrid feed and where could i info on that maybe photos
thanks Robert

> To: mailto:ham-antennas%40yahoogroups.com
> From: mailto:ke4dyg%40hotmail.com
> Date: Mon, 14 Nov 2011 10:12:46 -0500
> Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
>
> i want to make a lower angle of radiation would a slloper be better and fed at top or bottom or vertical thanks
>
>
> > To: mailto:ham-antennas%40yahoogroups.com
> > From: mailto:nr1dx%40arrl.net
> > Date: Mon, 14 Nov 2011 08:28:52 -0600
> > Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

> >
> > No significant difference whether fed at the top or the bottom when
> > running in the vertical mode. Usually more practical to feed it at the
> > bottom but If your hanging it out the 4th story window then of course
> > feeding it a the "top" is more practical
> >
> > 73
> > Dave
> > NR1DX
> >
> >
> >
> > On 11/14/2011 8:24 AM, robert duckworth wrote:
> > >
> > >
> > > I am wondering would it make a difference if you the raise the feed
> > > point at the top not bottom, like if you have antenna at maybe 40 ft
> > > high and feed at top of antenna would that make any difference. ROBERT
> > >
> > > > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > > > From: mailto:may2142%40comcast.net <mailto:may2142%40comcast.net>
> > > > Date: Sun, 13 Nov 2011 01:21:35 +0000
> > > > Subject: [ham-antennas] Re: end fed antennas with coax half wave
> > > > without tuner
> > > >
> > > > http://www.lnrprecision.com/
> > > >
> > > > The Co. above makes what your looking for but I just made my own
> > > > which was a lot cheaper and seems to work fine; however, I'm just a
> > > > starving RF engineer so I'm cheap.
> > > >
> > > > Since it's a wire antenna you could stick in some PVC pipe or hang
> > > > the top from a tree branch if you want true vertical mounting.
> > > >
> > > >
> > > > Mike
> > > >
> > > > --- In mailto:ham-antennas%40yahoogroups.com
> > > > <mailto:ham-antennas%40yahoogroups.com>, robert duckworth <ke4dyg@...>
> > > > wrote:
> > > > >
> > > > >
> > > > > I am think about a vertical not a half wave dipole and something
> > > > with a lower angle of radiation
> > > > >
> > > > > > To: mailto:ham-antennas%40yahoogroups.com
> > > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > From: wa8jxm@...
> > > > > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > > > > Subject: Re: [ham-antennas] end fed antennas with coax half wave

> > > without tuner
> > > > > >
> > > > > >
> > > > > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> > > > > >
> > > > > > > I would like to know is there a place to find a half wave
> > > antenna fed with coax without tuner and no counterpoise needed. I hope
> > > I can find one here on internet and photos thanks Robert
> > > > > > > >
> > > > > > >
> > > > > > > The typical half wave dipole is fed in the center with coax and
> > > can offer a reasonable match.
> > > > > > >
> > > > > > > I suggest that you pick a good antenna book and study it and
> > > learn about antennas.
> > > > > > >
> > > > > > > Ken
> > > > > > >
> > > > > > > ----------
> > > > > > >
> > > > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > > > Any statements in ANY post that may be construed as inflamatory
> > > MAY be cause for suspension. Moderators WILL have final say in these
> > > matters.
> > > > > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > > > Yahoo! Groups Links
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > >
> > > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > ----------
> > > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are

> > > NOT permitted.
> > > > Any statements in ANY post that may be construed as inflamatory MAY
> > > be cause for suspension. Moderators WILL have final say in these matters.
> > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > Yahoo! Groups Links
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> >
> > --
> > Dave& Lynn Henderson
> > mailto:Manuals%40ArtekMedia.com
> > www.Artekmedia.com
> > PO Box 175
> > Welch,MN 55089
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> > Post message: mailto:ham-antennas%40yahoogroups.com
> > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>
>

> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: mailto:ham-antennas%40yahoogroups.com
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1869 / Virus Database: 2092/4616 - Release Date: 11/14/11

[Non-text portions of this message have been removed]

20607. RE: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 15:42:20 UTC
From: jim burns
Topic: 20549 Message: 20607

Alpha Delta

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of robert duckworth
Sent: Saturday, November 12, 2011 1:41 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] end fed antennas with coax half wave without tuner

I would like to know is there a place to find a half wave antenna fed with coax without tuner and no counterpoise needed. I hope I can find one here on internet and photos thanks Robert

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20608. Re: Your question!! = Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 15:51:52 UTC
From: Chris Baker
Topic: 20608 Message: 20608

Sorry Group my mail got hacked at ISP
all passwords etc changed

Once again Sorry, it happened when I was off line & asleep!!

Thanks

Chris Baker B.A.

Sunny Morecambe, the gateway to the Lakes
ARS: G4LDS
WAB:SD 46
LOC: IO84 NB
G-QRP: 6884
IOTA: EU005
The SANDS Contest group : G1T
G4LDS@...

[Non-text portions of this message have been removed]

20609. Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 16:03:01 UTC
From: Artekmedia
Topic: 20549 Message: 20609

If your talking a slopping 1/2 wave antenna fed at the end, then
top or bottom feed makes no difference
Dave
NR1DX

On 11/14/2011 9:12 AM, robert duckworth wrote:
>
>
> i want to make a lower angle of radiation would a slloper be better
> and fed at top or bottom or vertical thanks
>
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > From: nr1dx@... <mailto:nr1dx%40arrl.net>
> > Date: Mon, 14 Nov 2011 08:28:52 -0600
> > Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave
> without tuner
> >
> > No significant difference whether fed at the top or the bottom when
> > running in the vertical mode. Usually more practical to feed it at the
> > bottom but If your hanging it out the 4th story window then of course
> > feeding it a the "top" is more practical
> >
> > 73
> > Dave
> > NR1DX
> >
> >
> >
> > On 11/14/2011 8:24 AM, robert duckworth wrote:
> > >
> > >
> > > I am wondering would it make a difference if you the raise the feed
> > > point at the top not bottom, like if you have antenna at maybe 40 ft
> > > high and feed at top of antenna would that make any difference. ROBERT
> > >
> > > > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > > > From: may2142@... <mailto:may2142%40comcast.net>
> <mailto:may2142%40comcast.net>
> > > > Date: Sun, 13 Nov 2011 01:21:35 +0000
> > > > Subject: [ham-antennas] Re: end fed antennas with coax half wave
> > > without tuner
> > > >

> > > > http://www.lnrprecision.com/
> > > >
> > > > The Co. above makes what your looking for but I just made my own
> > > which was a lot cheaper and seems to work fine; however, I'm just a
> > > starving RF engineer so I'm cheap.
> > > >
> > > > Since it's a wire antenna you could stick in some PVC pipe or hang
> > > the top from a tree branch if you want true vertical mounting.
> > > >
> > > >
> > > > Mike
> > > >
> > > > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>, robert duckworth
> <ke4dyg@...>
> > > wrote:
> > > > >
> > > > >
> > > > > I am think about a vertical not a half wave dipole and something
> > > with a lower angle of radiation
> > > > >
> > > > > > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > From: wa8jxm@...
> > > > > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > > > > Subject: Re: [ham-antennas] end fed antennas with coax half
> wave
> > > without tuner
> > > > > >
> > > > > >
> > > > > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> > > > > >
> > > > > > > I would like to know is there a place to find a half wave
> > > antenna fed with coax without tuner and no counterpoise needed. I
> hope
> > > I can find one here on internet and photos thanks Robert
> > > > > >
> > > > > >
> > > > > > The typical half wave dipole is fed in the center with coax and
> > > can offer a reasonable match.
> > > > > >
> > > > > > I suggest that you pick a good antenna book and study it and
> > > learn about antennas.
> > > > > >
> > > > > > Ken
> > > > > >
> > > > > > ------------------------------------
> > > > > >

> > > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > > Any statements in ANY post that may be construed as inflamatory
> > > MAY be cause for suspension. Moderators WILL have final say in these
> > > matters.
> > > > > > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > > Yahoo! Groups Links
> > > > > >
> > > > > >
> > > > > >
> > > > >
> > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > >
> > > >
> > > >
> > > >
> > > > > ------------------------------------
> > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > > Any statements in ANY post that may be construed as inflamatory MAY
> > > be cause for suspension. Moderators WILL have final say in these
> matters.
> > > > > > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > > <mailto:ham-antennas-owner%40yahoogroups.com>

> > > > Yahoo! Groups Links
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> >
> > --
> > Dave& Lynn Henderson
> > Manuals@... <mailto:Manuals%40ArtekMedia.com>
> > www.Artekmedia.com
> > PO Box 175
> > Welch,MN 55089
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY
> be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson

Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20610. RE: [ham-antennas] Re: Your question!! = Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 16:24:09 UTC
From: Brian Williams
Topic: 20608 Message: 20610

Allot of that going around these days. Happened to me 3 times this year.
All of them with Yahoo.

"Sometimes I think the surest sign that intelligent life exists elsewhere in the universe is that none of it has tried to contact us." Bill Watterson

---

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Chris Baker
Sent: Monday, November 14, 2011 9:52 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Your question!! = Hacked account!!!

Sorry Group my mail got hacked at ISP
all passwords etc changed

Once again Sorry, it happened when I was off line & asleep!!

Thanks

Chris Baker B.A.

Sunny Morecambe, the gateway to the Lakes
ARS: G4LDS
WAB:SD 46
LOC: IO84 NB
G-QRP: 6884
IOTA: EU005
The SANDS Contest group : G1T
G4LDS@... <mailto:G4LDS%40M0SCG.org.uk>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20611. RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 16:45:41 UTC
From: Richard Schmuke
Topic: 20549 Message: 20611

Not being able to see just what you have things don't sound right. Don't worry about the gentle V , that is good enough to start, something is shorted out or a broken connection. A 4:1 balun cannot be checked with a ohm meter unless it is open because it will check as a dead short with a ohm meter. You can lower the OCD dipole and make sure you have continuity thru the antenna to the coax. You also need to remove the coax and check it for continuity pin to pin and shield to shield at the PL-259's and check that there is no continuity from the pin to the shield of the 259.

A "ugly balun" will cause no problem.

Do you have some coax so you can make a simple dipole for any band?

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Walt
Sent: Monday, November 14, 2011 9:37 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

I may as well weigh in with my green ignorance. New ham with new setup. I purchased a OCF Dipole/Windom - 80-6 meters dipole.It comes with a 4:1 balun in the box at the connection point.
I have it mounted next to my house attached to two trees.
As it stands it is a gentle v shape, dropping from 22 feet to around 8 feet at each end of the run on both sides.
It contacts nothing as far as the trees, and is secured with flexible connections to allow for any movement
in the trees. My problem is the SWR is out of sight. I have a Yaesu 301-D with PS and Antenna Tuner. I set
up for which ever frequency and if I tune for any output, I get that much and more reflected power. I set up
for 10 meters, tune for say 25 watts and get that much in SWR or reflected power. Everything in the shack
is grounded, and I took the rig in to the local shop where it checked out perfectly, 120 watts out on several
bands on the dummy load. At the QTH, same story. My dumb questions, where do I start looking and for what.
I had an "ugly balan" in line which I removed in case of some problem I was unaware of.

Walt

From: robert duckworth
Sent: Monday, November 14, 2011 10:16 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

i would like to find some info on how to feed antenna wire should i torrid feed and where could i info on that maybe photos
thanks Robert

> To: mailto:ham-antennas%40yahoogroups.com
> From: mailto:ke4dyg%40hotmail.com
> Date: Mon, 14 Nov 2011 10:12:46 -0500
> Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
>
> i want to make a lower angle of radiation would a slloper be better and fed at top or bottom or vertical thanks
>
>
> > To: mailto:ham-antennas%40yahoogroups.com
> > From: mailto:nr1dx%40arrl.net
> > Date: Mon, 14 Nov 2011 08:28:52 -0600
> > Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner
> >
> > No significant difference whether fed at the top or the bottom when
> > running in the vertical mode. Usually more practical to feed it at the
> > bottom but If your hanging it out the 4th story window then of course
> > feeding it a the "top" is more practical
> >
> > 73
> > Dave
> > NR1DX
> >
> >
> >
> > On 11/14/2011 8:24 AM, robert duckworth wrote:
> > >
> > >
> > > I am wondering would it make a difference if you the raise the feed
> > > point at the top not bottom, like if you have antenna at maybe 40 ft
> > > high and feed at top of antenna would that make any difference. ROBERT
> > >
> > > > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > > > From: mailto:may2142%40comcast.net <mailto:may2142%40comcast.net>
> > > > Date: Sun, 13 Nov 2011 01:21:35 +0000
> > > > Subject: [ham-antennas] Re: end fed antennas with coax half wave
> > > without tuner
> > > >
> > > > http://www.lnrprecision.com/
> > > >
> > > > The Co. above makes what your looking for but I just made my own
> > > which was a lot cheaper and seems to work fine; however, I'm just a
> > > starving RF engineer so I'm cheap.
> > > >
> > > > Since it's a wire antenna you could stick in some PVC pipe or hang
> > > the top from a tree branch if you want true vertical mounting.

> > > >
> > > >
> > > > Mike
> > > >
> > > > --- In mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>, robert duckworth <ke4dyg@...>
> > > wrote:
> > > > >
> > > > >
> > > > > I am think about a vertical not a half wave dipole and something
> > > with a lower angle of radiation
> > > > >
> > > > > > To: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > From: wa8jxm@...
> > > > > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > > > > Subject: Re: [ham-antennas] end fed antennas with coax half wave
> > > without tuner
> > > > > >
> > > > > >
> > > > > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> > > > > >
> > > > > > > I would like to know is there a place to find a half wave
> > > antenna fed with coax without tuner and no counterpoise needed. I hope
> > > I can find one here on internet and photos thanks Robert
> > > > > > >
> > > > > > >
> > > > > > > The typical half wave dipole is fed in the center with coax and
> > > can offer a reasonable match.
> > > > > > >
> > > > > > > I suggest that you pick a good antenna book and study it and
> > > learn about antennas.
> > > > > > >
> > > > > > > Ken
> > > > > > >
> > > > > > > ------------------------------------
> > > > > > >
> > > > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > > > Any statements in ANY post that may be construed as inflamatory
> > > MAY be cause for suspension. Moderators WILL have final say in these
> > > matters.
> > > > > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com

> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > > Yahoo! Groups Links
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > >
> > > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > ------------------------------------
> > > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > > NOT permitted.
> > > > > Any statements in ANY post that may be construed as inflamatory MAY
> > > > be cause for suspension. Moderators WILL have final say in these matters.
> > > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > Yahoo! Groups Links
> > > > >
> > > > >
> > > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > >
> > > --
> > > Dave& Lynn Henderson
> > > mailto:Manuals%40ArtekMedia.com
> > > www.Artekmedia.com
> > > PO Box 175
> > > Welch,MN 55089
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >

> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: mailto:ham-antennas%40yahoogroups.com
> > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: mailto:ham-antennas%40yahoogroups.com
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1869 / Virus Database: 2092/4616 - Release Date: 11/14/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20612. RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 16:57:23 UTC
From: Brian Williams
Topic: 20549 Message: 20612

Having the same problem with a G5RV I just put up and a R7 that I just took down. I have narrowed the list of suspects to Coax & barrel connectors which I plan to address next. Rig and all other assorted equipment work fine on 2 other antennas.

"Sometimes I think the surest sign that intelligent life exists elsewhere in the universe is that none of it has tried to contact us." Bill Watterson

_____

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Monday, November 14, 2011 10:46 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Not being able to see just what you have things don't sound right. Don't worry about the gentle V , that is good enough to start, something is shorted out or a broken connection. A 4:1 balun cannot be checked with a ohm meter unless it is open because it will check as a dead short with a ohm meter. You can lower the OCD dipole and make sure you have continuity thru the antenna to the coax. You also need to remove the coax and check it for continuity pin to pin and shield to shield at the PL-259's and check that there is no continuity from the pin to the shield of the 259.

A "ugly balun" will cause no problem.

Do you have some coax so you can make a simple dipole for any band?

Rich, Kd0zz

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Walt
Sent: Monday, November 14, 2011 9:37 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

I may as well weigh in with my green ignorance. New ham with new setup. I purchased a
OCF Dipole/Windom - 80-6 meters dipole.It comes with a 4:1 balun in the box at the connection point.
I have it mounted next to my house attached to two trees.
As it stands it is a gentle v shape, dropping from 22 feet to around 8 feet

at each end of the run on both sides.
It contacts nothing as far as the trees, and is secured with flexible connections to allow for any movement
in the trees. My problem is the SWR is out of sight. I have a Yaesu 301-D with PS and Antenna Tuner. I set
up for which ever frequency and if I tune for any output, I get that much and more reflected power. I set up
for 10 meters, tune for say 25 watts and get that much in SWR or reflected power. Everything in the shack
is grounded, and I took the rig in to the local shop where it checked out perfectly, 120 watts out on several
bands on the dummy load. At the QTH, same story. My dumb questions, where do I start looking and for what.
I had an "ugly balan" in line which I removed in case of some problem I was unaware of.

Walt

From: robert duckworth
Sent: Monday, November 14, 2011 10:16 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

i would like to find some info on how to feed antenna wire should i torrid feed and where could i info on that maybe photos
thanks Robert

> To: mailto:ham-antennas%40yahoogroups.com
> From: mailto:ke4dyg%40hotmail.com
> Date: Mon, 14 Nov 2011 10:12:46 -0500
> Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
>
> i want to make a lower angle of radiation would a slloper be better and fed at top or bottom or vertical thanks
>
>
> > To: mailto:ham-antennas%40yahoogroups.com
> > From: mailto:nr1dx%40arrl.net
> > Date: Mon, 14 Nov 2011 08:28:52 -0600
> > Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner
> >
> > No significant difference whether fed at the top or the bottom when
> > running in the vertical mode. Usually more practical to feed it at the
> > bottom but If your hanging it out the 4th story window then of course
> > feeding it a the "top" is more practical
> >

> > 73
> > Dave
> > NR1DX
> >
> >
> >
> > On 11/14/2011 8:24 AM, robert duckworth wrote:
> > >
> > >
> > > I am wondering would it make a difference if you the raise the feed
> > > point at the top not bottom, like if you have antenna at maybe 40 ft
> > > high and feed at top of antenna would that make any difference. ROBERT
> > >
> > > > To: mailto:ham-antennas%40yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > > > From: mailto:may2142%40comcast.net <mailto:may2142%40comcast.net>
> > > > Date: Sun, 13 Nov 2011 01:21:35 +0000
> > > > Subject: [ham-antennas] Re: end fed antennas with coax half wave
> > > without tuner
> > > >
> > > > http://www.lnrprecision.com/
> > > >
> > > > The Co. above makes what your looking for but I just made my own
> > > which was a lot cheaper and seems to work fine; however, I'm just a
> > > starving RF engineer so I'm cheap.
> > > >
> > > > Since it's a wire antenna you could stick in some PVC pipe or hang
> > > the top from a tree branch if you want true vertical mounting.
> > > >
> > > >
> > > > Mike
> > > >
> > > > --- In mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>, robert duckworth <ke4dyg@...>

> > > wrote:
> > > > >
> > > > >
> > > > > I am think about a vertical not a half wave dipole and something
> > > with a lower angle of radiation
> > > > >
> > > > > > To: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > From: wa8jxm@...
> > > > > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > > > > Subject: Re: [ham-antennas] end fed antennas with coax half wave

> > > without tuner
> > > > > >
> > > > > >
> > > > > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:

> > > > > >
> > > > > > > I would like to know is there a place to find a half wave
> > > antenna fed with coax without tuner and no counterpoise needed. I hope

> > > I can find one here on internet and photos thanks Robert
> > > > > > >
> > > > > > >
> > > > > > > The typical half wave dipole is fed in the center with coax and
> > > can offer a reasonable match.
> > > > > > >
> > > > > > > I suggest that you pick a good antenna book and study it and
> > > learn about antennas.
> > > > > > >
> > > > > > > Ken
> > > > > > >
> > > > > > > ------------------------------------
> > > > > > >
> > > > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > > > Any statements in ANY post that may be construed as inflamatory
> > > MAY be cause for suspension. Moderators WILL have final say in these
> > > matters.
> > > > > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > > > Yahoo! Groups Links
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > >
> > > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > ------------------------------------
> > > > >
> > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > > Any statements in ANY post that may be construed as inflamatory MAY
> > > be cause for suspension. Moderators WILL have final say in these

matters.
> > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > Yahoo! Groups Links
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> >
> > --
> > Dave& Lynn Henderson
> > mailto:Manuals%40ArtekMedia.com
> > www.Artekmedia.com
> > PO Box 175
> > Welch,MN 55089
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
> > Post message: mailto:ham-antennas%40yahoogroups.com
> > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
> Post message: mailto:ham-antennas%40yahoogroups.com
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1869 / Virus Database: 2092/4616 - Release Date: 11/14/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20613. Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 17:01:02 UTC
From: Larry Banks
Topic: 20549 Message: 20613

I know that this sounds simplistic -- but are you sure the SWR meter is connected in the right direction?

73 -- Larry -- W1DYJ

----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Monday, November 14, 2011 11:45 AM
Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Not being able to see just what you have things don't sound right. Don't worry about the gentle V , that is good enough to start, something is shorted out or a broken connection. A 4:1 balun cannot be checked with a ohm meter unless it is open because it will check as a dead short with a ohm meter. You can lower the OCD dipole and make sure you have continuity thru the antenna to the coax. You also need to remove the coax and check it for continuity pin to pin and shield to shield at the PL-259's and check that there is no continuity from the pin to the shield of the 259.

A "ugly balun" will cause no problem.

Do you have some coax so you can make a simple dipole for any band?

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Walt
Sent: Monday, November 14, 2011 9:37 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

I may as well weigh in with my green ignorance. New ham with new setup. I purchased a OCF Dipole/Windom - 80-6 meters dipole.It comes with a 4:1 balun in the box at the connection point.
I have it mounted next to my house attached to two trees.
As it stands it is a gentle v shape, dropping from 22 feet to around 8 feet at each end of the run on both sides.
It contacts nothing as far as the trees, and is secured with flexible connections to allow for any movement
in the trees. My problem is the SWR is out of sight. I have a Yaesu 301-D with PS and Antenna Tuner. I set
up for which ever frequency and if I tune for any output, I get that much and more reflected power. I set up
for 10 meters, tune for say 25 watts and get that much in SWR or reflected power. Everything in the shack
is grounded, and I took the rig in to the local shop where it checked out perfectly, 120

watts out on several
bands on the dummy load. At the QTH, same story. My dumb questions, where do I start looking and for what.
I had an “ugly balan” in line which I removed in case of some problem I was unaware of.

Walt

[Non-text portions of this message have been removed]

20614. RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 17:08:08 UTC
From: Brian Williams
Topic: 20549 Message: 20614

Oh and I think it is safe to say to really check this kind of problem with coax take the kind of analyzer that is out of the price range of most if not all hams. Best to swap out the coax.

"Sometimes I think the surest sign that intelligent life exists elsewhere in the universe is that none of it has tried to contact us." Bill Watterson

---

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Monday, November 14, 2011 10:46 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Not being able to see just what you have things don't sound right. Don't worry about the gentle V , that is good enough to start, something is shorted out or a broken connection. A 4:1 balun cannot be checked with a ohm meter unless it is open because it will check as a dead short with a ohm meter. You can lower the OCD dipole and make sure you have continuity thru the antenna to the coax. You also need to remove the coax and check it for continuity pin to pin and shield to shield at the PL-259's and check that there is no continuity from the pin to the shield of the 259.

A "ugly balun" will cause no problem.

Do you have some coax so you can make a simple dipole for any band?

Rich, Kd0zz

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of Walt
Sent: Monday, November 14, 2011 9:37 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

I may as well weigh in with my green ignorance. New ham with new setup. I purchased a
OCF Dipole/Windom - 80-6 meters dipole.It comes with a 4:1 balun in the box at the connection point.
I have it mounted next to my house attached to two trees.
As it stands it is a gentle v shape, dropping from 22 feet to around 8 feet at each end of the run on both sides.

It contacts nothing as far as the trees, and is secured with flexible connections to allow for any movement
in the trees. My problem is the SWR is out of sight. I have a Yaesu 301-D with PS and Antenna Tuner. I set
up for which ever frequency and if I tune for any output, I get that much and more reflected power. I set up
for 10 meters, tune for say 25 watts and get that much in SWR or reflected power. Everything in the shack
is grounded, and I took the rig in to the local shop where it checked out perfectly, 120 watts out on several
bands on the dummy load. At the QTH, same story. My dumb questions, where do I start looking and for what.
I had an "ugly balan" in line which I removed in case of some problem I was unaware of.

Walt

From: robert duckworth
Sent: Monday, November 14, 2011 10:16 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

i would like to find some info on how to feed antenna wire should i torrid feed and where could i info on that maybe photos
thanks Robert

> To: mailto:ham-antennas%40yahoogroups.com
> From: mailto:ke4dyg%40hotmail.com
> Date: Mon, 14 Nov 2011 10:12:46 -0500
> Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
>
> i want to make a lower angle of radiation would a slloper be better and fed at top or bottom or vertical thanks
>
>
> > To: mailto:ham-antennas%40yahoogroups.com
> > From: mailto:nr1dx%40arrl.net
> > Date: Mon, 14 Nov 2011 08:28:52 -0600
> > Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner
> >
> > No significant difference whether fed at the top or the bottom when
> > running in the vertical mode. Usually more practical to feed it at the
> > bottom but If your hanging it out the 4th story window then of course
> > feeding it a the "top" is more practical
> >
> > 73

> > Dave
> > NR1DX
> >
> >
> >
> > On 11/14/2011 8:24 AM, robert duckworth wrote:
> > >
> > >
> > > I am wondering would it make a difference if you the raise the feed
> > > point at the top not bottom, like if you have antenna at maybe 40 ft
> > > high and feed at top of antenna would that make any difference. ROBERT
> > >
> > > > To: mailto:ham-antennas%40yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > > > From: mailto:may2142%40comcast.net <mailto:may2142%40comcast.net>
> > > > Date: Sun, 13 Nov 2011 01:21:35 +0000
> > > > Subject: [ham-antennas] Re: end fed antennas with coax half wave
> > > without tuner
> > > >
> > > > http://www.lnrprecision.com/
> > > >
> > > > The Co. above makes what your looking for but I just made my own
> > > which was a lot cheaper and seems to work fine; however, I'm just a
> > > starving RF engineer so I'm cheap.
> > > >
> > > > Since it's a wire antenna you could stick in some PVC pipe or hang
> > > the top from a tree branch if you want true vertical mounting.
> > > >
> > > >
> > > > Mike
> > > >
> > > > --- In mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>, robert duckworth <ke4dyg@...>

> > > wrote:
> > > > >
> > > > >
> > > > > I am think about a vertical not a half wave dipole and something
> > > with a lower angle of radiation
> > > > >
> > > > > > To: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > From: wa8jxm@...
> > > > > > Date: Sat, 12 Nov 2011 16:40:50 -0500
> > > > > > Subject: Re: [ham-antennas] end fed antennas with coax half wave

> > > without tuner
> > > > > >
> > > > > >
> > > > > > On Nov 12, 2011, at 1:41 PM, robert duckworth wrote:
> > > > > >

> > > > > > > I would like to know is there a place to find a half wave
> > > antenna fed with coax without tuner and no counterpoise needed. I hope

> > > I can find one here on internet and photos thanks Robert
> > > > > > >
> > > > > > >
> > > > > > > The typical half wave dipole is fed in the center with coax and
> > > can offer a reasonable match.
> > > > > > >
> > > > > > > I suggest that you pick a good antenna book and study it and
> > > learn about antennas.
> > > > > > >
> > > > > > > Ken
> > > > > > >
> > > > > > > ------------------------------------
> > > > > > >
> > > > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > > > Any statements in ANY post that may be construed as inflamatory
> > > MAY be cause for suspension. Moderators WILL have final say in these
> > > matters.
> > > > > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > > > > Yahoo! Groups Links
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > >
> > > > > > > [Non-text portions of this message have been removed]
> > > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > >
> > > > > > ------------------------------------
> > > > > >
> > > > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > > NOT permitted.
> > > > > > Any statements in ANY post that may be construed as inflamatory MAY
> > > be cause for suspension. Moderators WILL have final say in these
matters.

> > > > Post message: mailto:ham-antennas%40yahoogroups.com
> > > <mailto:ham-antennas%40yahoogroups.com>
> > > > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > > Yahoo! Groups Links
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> >
> > --
> > Dave& Lynn Henderson
> > mailto:Manuals%40ArtekMedia.com
> > www.Artekmedia.com
> > PO Box 175
> > Welch,MN 55089
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
> > Post message: mailto:ham-antennas%40yahoogroups.com
> > Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>

>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
> Post message: mailto:ham-antennas%40yahoogroups.com
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> List owner: mailto:ham-antennas-owner%40yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1869 / Virus Database: 2092/4616 - Release Date: 11/14/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20615. Re: I AM FREE NOW (SPAM)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 17:40:08 UTC
From: Bryan
Topic: 20596 Message: 20615

Bill/WA5GHR's account has apparently been hijacked. The code in the link redirects to another website. I'm guessing it's not a nice website. vy 73, Bryan WA7PRC --- In ham-antennas@yahoogroups.com, Bill Walker wrote: > >
Hey.
I was at my wits end now I never miss a payment now im in this for the long run just trying to look out for you
[link snipped]
bye

20616. RE: [ham-antennas] Re: I AM FREE NOW (SPAM)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 17:47:23 UTC
From: Brian Williams
Topic: 20596 Message: 20616

"Sometimes I think the surest sign that intelligent life exists elsewhere in the universe is that none of it has tried to contact us." Bill Watterson _____ From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bryan Sent: Monday, November 14, 2011 11:40 AM To: ham-antennas@yahoogroups.com Subject: [ham-antennas] Re: I AM FREE NOW (SPAM) Bill/WA5GHR's account has apparently been hijacked. The code in the link redirects to another website. I'm guessing it's not a nice website. vy 73, Bryan WA7PRC --- In ham-antennas@yahoogroups.com , Bill Walker wrote: > >
Hey.
I was at my wits end now I never miss a payment now im in this for the long run just trying to look out for you
[link snipped]
bye
[Non-text portions of this message have been removed]

20617. RE: [ham-antennas] Re: I AM FREE NOW (SPAM)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 17:52:23 UTC
From: Brian Williams
Topic: 20596 Message: 20617

Sorry, I think I need to step away from the computer now. I am sleep sending blank emails. LOL "Sometimes I think the surest sign that intelligent life exists elsewhere in the universe is that none of it has tried to contact us." Bill Watterson _____ From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Brian Williams Sent: Monday, November 14, 2011 11:47 AM To: ham-antennas@yahoogroups.com Subject: RE: [ham-antennas] Re: I AM FREE NOW (SPAM) "Sometimes I think the surest sign that intelligent life exists elsewhere in the universe is that none of it has tried to contact us." Bill Watterson _____ From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bryan Sent: Monday, November 14, 2011 11:40 AM To: ham-antennas@yahoogroups.com Subject: [ham-antennas] Re: I AM FREE NOW (SPAM) Bill/WA5GHR's account has apparently been hijacked. The code in the link redirects to another website. I'm guessing it's not a nice website. vy 73, Bryan WA7PRC --- In ham-antennas@yahoogroups.com , Bill Walker wrote: > >
Hey.
I was at my wits end now I never miss a payment now im in this for the long run just trying to look out for you
[link snipped]
bye
[Non-text portions of this message have been removed] [Non-text portions of this message have been removed]

20618. RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 18:14:34 UTC
From: drmjf
Topic: 20618 Message: 20618

I am having problems with my direct tv satellite reception. When I transmit my reception goes away. Any ideas how to stop it? I have a low pass filter inline.
Thanks, Mike KI6SDO

20619. Re: [ham-antennas] RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 18:26:29 UTC
From: Frank Kirschner
Topic: 20618 Message: 20619

It's almost certainly fundamental overload, not harmonics, that is, the energy at the fundamental frequency of your transmitter is getting into the satellite receiver and swamping the satellite signal. All the standard techniques apply: Move your ham antenna as far away from the satellite antenna, coax, and receivers as possible. Put high-pass filters on the coax at the satellite receiver(s). Put ferrite cores on the AC and other lines connected to the satellite receiver(s). Make sure your ham station is properly grounded. Reduce transmitter power. Other than that, it becomes a question of not watching TV and transmitting at the same time. Does your transmitter interfere with your neighbor's reception? (That probably isn't a good question to ask them.) Does it interfere with off-air reception? If so, it might be just the TV, not the satellite RX.

In spite of all the above precautions, my KW amp gets into the cable TV, computer speakers, and even my Select Comfort Sleep Number bed control. Reducing power to 200 watts helps, but there is still some interference with the cable TV, although it is still watchable.

GL

73,
Frank
KF6E

On Mon, Nov 14, 2011 at 1:14 PM, drmjf <ki6sdo@...> wrote:

> **
>
>
> I am having problems with my direct tv satellite reception. When I
> transmit my reception goes away. Any ideas how to stop it? I have a low
> pass filter inline.
> Thanks, Mike KI6SDO
>
> _
>

[Non-text portions of this message have been removed]

20620. [ham-antennas] Interference with Verizon FIOS Cable Head

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 18:30:12 UTC
From: Frank Kirschner
Topic: 20620 Message: 20620

A while back, I wrote about my Centurion tripping the GFI circuit into which my Verizon FIOS cable head box is plugged. It was on 15 m only, where my 102-ft doublet loads up the worst.

I tried a single snap-on ferrite core on the AC power cable of the FIOS box, and that seems to have fixed the problem. I put it close to the wall socket, thinking the problem was with the socket, not the box. So far, no problems.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

20621. RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 18:31:28 UTC
From: GLORIA WELLS
Topic: 20549 Message: 20621

earchi.org/92011endfedfiles/Endfed6_40.pdf

this site is where I learned how to build my antenna and I have over 75 contacts at 100W or less.

Gloria
KK4DXM

--- On Mon, 11/14/11, robert duckworth <ke4dyg@...> wrote:

From: robert duckworth <ke4dyg@...>
Subject: RE: [ham-antennas] Re: end fed antennas with coax half wave without tuner
To: ham-antennas@yahoogroups.com
Date: Monday, November 14, 2011, 9:27 AM

I want to know where you can find any photos on how to make the feed point and how to wind the torrid thanks Robert

> To: ham-antennas@yahoogroups.com
> From: frank@...
> Date: Mon, 14 Nov 2011 09:22:08 -0500
> Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner
>
> Mike,
>
> What's in the "matching network" the Web site refers to? A balun? An L/C
> network?
>
> Thanks.
>
> 73,
> Frank
> KF6E
>
> On Sat, Nov 12, 2011 at 8:21 PM, wb8vlc <may2142@...> wrote:
>
> > **
> > >
> > >
> > > http://www.lnrprecision.com/
> > >
> > > The Co. above makes what your looking for but I just made my own which was
> > > a lot cheaper and seems to work fine; however, I'm just a starving RF
> > > engineer so I'm cheap.
> > >

> > Since it's a wire antenna you could stick in some PVC pipe or hang the top
> > from a tree branch if you want true vertical mounting.
> >
> > Mike
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20622. RE: [ham-antennas] RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 18:31:54 UTC
From: MIKE DURKIN
Topic: 20618 Message: 20622

How close is the transmitting antenna to your Direct Tv antenna?

To: ham-antennas@yahoogroups.com
From: ki6sdo@...
Date: Mon, 14 Nov 2011 18:14:34 +0000
Subject: [ham-antennas] RF noise with direct tv.

I am having problems with my direct tv satellite reception. When I transmit my reception goes away. Any ideas how to stop it? I have a low pass filter inline.

Thanks, Mike KI6SDO

[Non-text portions of this message have been removed]

20623. RE: [ham-antennas] RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 18:32:17 UTC
From: Brian Williams
Topic: 20618 Message: 20623

Have the same thing with ATT-Uverse. My problem is that they use unshielded line.

I would guess you are getting into the phone line connected to the back of the receiver as that is the only thing, other than the box, that is not RF shielded.

"Sometimes I think the surest sign that intelligent life exists elsewhere in the universe is that none of it has tried to contact us." Bill Watterson

---

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of drmjf
Sent: Monday, November 14, 2011 12:15 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RF noise with direct tv.

I am having problems with my direct tv satellite reception. When I transmit my reception goes away. Any ideas how to stop it? I have a low pass filter inline.
Thanks, Mike KI6SDO

[Non-text portions of this message have been removed]

20624. Re: [ham-antennas] RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 19:18:06 UTC
From: Artekmedia
Topic: 20618 Message: 20624

Sounds like overload/desense. The farther you can move the Satellite dish from the ham antennas the better.

Does it only happen on some ham bands not others? If that is the case it may be that the coax feedline from the dish to the tuner is resonant at a particular ham band, changing the length of the satellite cable may solve the problem or "move it" to another band. Ferrite beads on the ends in the middle of the dish cable run may stop it

Dave
NR1DX

On 11/14/2011 12:14 PM, drmjf wrote:
>
> I am having problems with my direct tv satellite reception. When I
> transmit my reception goes away. Any ideas how to stop it? I have a
> low pass filter inline.
> Thanks, Mike KI6SDO
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20625. AW: [ham-antennas] RE: [Antennas] From CO8LY

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 20:24:14 UTC
From: Siegfried Jackstien
Topic: 20592 Message: 20625

The impedance depends on height over ground
On fundamental frequency and on the lower bands (so low in wavelength over ground) the impedance can be way lower as 100 ohms!!
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Frank Kirschner
> Gesendet: Montag, 14. November 2011 12:29
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] RE: [Antennas] From CO8LY
>
> Sorry if this is a stupid question, but wouldn't a 2:1 balun be better? I
> thought a full wave loop had an impedance of around 100 ohms at resonance.
> Two to one would bring it to 50 ohms feed impedance.
>
> Thanks.
>
> 73,
> Frank
> KF6E
>
> On Mon, Nov 14, 2011 at 4:33 AM, Chris Boone <cboone@...> wrote:
>
> > **
> > >
> > >
> > > Best antenna with NO 4:1 Balun would be:
> > >
> > > Full wave LOOP on 160 with it being vertical....as much as
> possible....feed
> > > it in a corner (triangle or quad shape...doesnt matter) and worse SWR
> will
> > > be 3:1 at 2nd harmonic...use tuner and 1:1 balun.....
> > >
> > > Have one of those at my rptr/remote base site......WORKS LIKE A HOSE!!!!
> > >
> > > WHY 4:1??? A normal dipole uses 1:1...you COULD make a folded dipole
> that
> > > would need 4:1 but then you limit use on other bands....
> > >
> > > Enjoy....
> > >
> > > Chris

> > WB5ITT
> > > -----Original Message-----
> > > From: antennas-bounces@....net [mailto:antennas-
> > > bounces@...] On Behalf Of Eduardo Somoano C
> > > Sent: Sunday, November 13, 2011 10:41 AM
> > > To: Lista 160M; Lista Antenas
> > > Subject: [Antennas] From CO8LY
> > >
> > > Hello 160m freinds
> > >
> > > I look for a diagram of antenna dipole for 160mtrs (or multiband) that
> > uses
> > > a
> > > Balum 4:1 in the center.
> > >
> > > Maybe you have that diagram.
> > >
> > > A million thank you in advance.
> > >
> > > Strong hug.73.-
> > >
> > > Eduardo CO8LY
> > >
> > > _____
> > > ____
> > > Antennas mailing list
> > > Home: http://mailman.qth.net/mailman/listinfo/antennas
> > > Help: http://mailman.qth.net/mmfaq.htm
> > > Post: mailto:Antennas@mailman.qth.net
> > >
> > > This list hosted by: http://www.qsl.net
> > > Please help support this email list: http://www.qsl.net/donate.html
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

20626. Re: [ham-antennas] Weatherproofing connections

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 22:22:23 UTC
From: roger.h@comcast.net
Topic: 20589 Message: 20626

Other than being totally enclosed, the li quid tape is the best for me. I have several connections underground in the dirt using Liquid tape and sealed tight. I agree with previous answer on liquid tape. 73, Roger, W4IV, Tn.

----- Original Message -----
From: "urei" <ureii@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 13, 2011 10:53:09 PM
Subject: [ham-antennas] Weatherproofing connections

Has anybody ever used a product called "Liquid Electrical Tape" for
sealing and weatherproofing connections? I saw some mention a few messages ago of using Plasti-Dip and it reminded me that I have a can
of "Electrical Tape" that I bought for something else and I've been thinking of using it on some connectors that'll be going up in the air in the next few days. It's similar to, if not the same as, PlastiDip.
Liquid vinyl I think. Anybody use this before?
Thanks in advance. Mike KC2RPX

[Non-text portions of this message have been removed]

20627. Re: Your question!! = Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 22:43:41 UTC
From: AB2ZY
Topic: 20608 Message: 20627

It almost certainly had nothing to do with anyone knowing your passwords.

All a spammer needs to do to send spam to ham-antennas, or any other group you're a member of, is to know your full email address and the fact that you're a member of this group. Easy to get that information from the computer of some other subscriber who receives individual emails.

Armed with that knowledge, the spammer can use his own SMTP server (or one he's stolen access to) to send emails to the group that say he is Chris Baker. He's not, but Yahoo groups does not use an even rudimentary method to determine whether an email has originated from a server authorized to send mail on your behalf.

Changing passwords doesn't solve the problem, and putting you on moderated status does nothing unless the spammer tries the same trick with your account again, which they almost never do.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Chris Baker <honywood@...> wrote:
>
> Sorry Group my mail got hacked at ISP
> all passwords etc changed
>
> Once again Sorry, it happened when I was off line & asleep!!
>
>
> Thanks
>
> Chris Baker B.A.
>
>
> Sunny Morecambe, the gateway to the Lakes
> ARS: G4LDS
> WAB:SD 46
> LOC: IO84 NB
> G-QRP: 6884
> IOTA: EU005
> The SANDS Contest group : G1T
> G4LDS@...
>
> [Non-text portions of this message have been removed]
>

20628. Re: [ham-antennas] Interference with Verizon FIOS Cable Head

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-14 23:01:19 UTC
From: doug pfaff
Topic: 20620 Message: 20628

Frank

Maybe this is a good issue to have a discussion with your local electrical inspector possibly they can raise the issue with the code people as in Canada the electrical manufactures are on the code rule committee.

Had a situation where a bad circuit design caused a fire and the manufacture was forced to modify the circuit design and make it more fail safe than the NEC/CSA people had approved. This issue went from the Fire Cheif's office who took possesion of the failed electrical device

Maybe the electrical inspector can force some design improvements to the FIOS power supply as its impacting the safety issue for the GFI device and the nuisance tripping. they likely have more clout than the average joe

What if senerio would be if home healh equipment eg home oxygen concentrator was on the same circuit and someones life was impacted by the nuisance trip.
.
I found when I was working the electronic compatibility is becomming a real issue these days as the electronics designs get made cheaper by the manufactures.

Hopefully they can go after the FIOS box designers.

Another possibility is to complain directly to the manufactures (TECHNICAL SUPPORT GROUP) of the FIOS box and let them know its tripping out the GFI circuit breakers manadaetd by the NEC code.

Doug VE5DCP

----- Original Message -----
From: Frank Kirschner
To: ham-antennas@yahoogroups.com
Sent: Monday, November 14, 2011 12:30 PM
Subject: [ham-antennas] Interference with Verizon FIOS Cable Head

A while back, I wrote about my Centurion tripping the GFI circuit into
which my Verizon FIOS cable head box is plugged. It was on 15 m only,
where my 102-ft doublet loads up the worst.

I tried a single snap-on ferrite core on the AC power cable of the FIOS
box, and that seems to have fixed the problem. I put it close to the wall
socket, thinking the problem was with the socket, not the box. So far, no
problems.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20629. Re: [ham-antennas] Re: Your question!! = Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 01:48:31 UTC
From: Larry Tooley
Topic: 20608 Message: 20629

That agrevates me how facebook, yahoo, google, et al, "share" all your information with spammers when you use the webpage. Grrrr They will do ANYTHING for money.

----- Original Message -----
From: AB2ZY
To: ham-antennas@yahoogroups.com
Sent: Monday, November 14, 2011 4:43 PM
Subject: [ham-antennas] Re: Your question!! = Hacked account!!!

It almost certainly had nothing to do with anyone knowing your passwords.

All a spammer needs to do to send spam to ham-antennas, or any other group you're a member of, is to know your full email address and the fact that you're a member of this group. Easy to get that information from the computer of some other subscriber who receives individual emails.

Armed with that knowledge, the spammer can use his own SMTP server (or one he's stolen access to) to send emails to the group that say he is Chris Baker. He's not, but Yahoo groups does not use an even rudimentary method to determine whether an email has originated from a server authorized to send mail on your behalf.

Changing passwords doesn't solve the problem, and putting you on moderated status does nothing unless the spammer tries the same trick with your account again, which they almost never do.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Chris Baker <honywood@...> wrote:
>
> Sorry Group my mail got hacked at ISP
> all passwords etc changed
>
> Once again Sorry, it happened when I was off line & asleep!!
>
>
> Thanks
>
> Chris Baker B.A.
>
>
> Sunny Morecambe, the gateway to the Lakes
> ARS: G4LDS
> WAB:SD 46
> LOC: IO84 NB

> G-QRP: 6884
> IOTA: EU005
> The SANDS Contest group : G1T
> G4LDS@...
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20630. Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 02:03:01 UTC
From: Larry Tooley
Topic: 20549 Message: 20630

Amen! Larry. It is like putting your chain saw chain on wrong. It is so easy to do, you never think of it. You just notice it must need sharpened since it cuts to slow.
Larry WA9G
----- Original Message -----
From: Larry Banks
To: ham-antennas@yahoogroups.com
Sent: Monday, November 14, 2011 11:01 AM
Subject: Re: [ham-antennas] Re: end fed antennas with coax half wave without tuner

I know that this sounds simplistic -- but are you sure the SWR meter is connected in the right direction?

73 -- Larry -- W1DYJ

[Non-text portions of this message have been removed]

20631. Re: [ham-antennas] Re: Weatherproofing connections

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 02:06:55 UTC
From: Larry Tooley
Topic: 20589 Message: 20631

Reminds me of the red dope we painted on motor leads after wrapping them with tape. Lasted forever.
----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Cc: pchapman920
Sent: Monday, November 14, 2011 9:35 AM
Subject: Re: [ham-antennas] Re: Weatherproofing connections

The best weatherproofing I have ever come by was this.

Forget silicone the acid makes things worse.

What has never ever failed was this.

Use for this only a great quality electrical tape. not the cheap 1 buck a roll but some expensive 3m Scotch brand one that has very rubbery stretchy properties, where you can easily stretch it twice it's resting length.

Make the connection. The wrap with a 50% overlap, wrap tightly the connection area, Extending about a inch past the connection.
Then spray it with any outdoor type of spray paint. One that is made for outdoor use UV stabilized etc.
When dry do another layer of the tape the same way, but go 1 inch further past the end of the last taping. And again spray it with the paint.
And then do it again one more time tape again and extend an extra inch again and spray down again.

Using this method I have even had connections underground in PVC that was flooded with water so the connection is actually under water and never have a problem at all.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 11/14/2011 9:14 AM, pchapman920 wrote:
> No experience with it but it is in the electrical department of a local Home Depot store.
>
> --- In ham-antennas@yahoogroups.com, "urei"<ureii@...> wrote:
>>

>> Has anybody ever used a product called "Liquid Electrical Tape" for
>> sealing and weatherproofing connections? I saw some mention a few
messages ago of using Plasti-Dip and it reminded me that I have a can
>> of "Electrical Tape" that I bought for something else and I've been
thinking of using it on some connectors that'll be going up in the air in
the next few days. It's similar to, if not the same as, PlastiDip.
>> Liquid vinyl I think. Anybody use this before?
>> Thanks in advance. Mike KC2RPX
>>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20632. Re: [ham-antennas] Interference with Verizon FIOS Cable Head

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 12:09:09 UTC
From: Frank Kirschner
Topic: 20620 Message: 20632

Doug,

Thanks for the good ideas. I'll investigate.

73,
Frank
KF6E

On Mon, Nov 14, 2011 at 6:01 PM, doug pfaff <doug.pfaff@...> wrote:

> **
>
>
> Frank
>
> Maybe this is a good issue to have a discussion with your local electrical
> inspector possibly they can raise the issue with the code people as in
> Canada the electrical manufactures are on the code rule committee.
>
> Had a situation where a bad circuit design caused a fire and the
> manufacture was forced to modify the circuit design and make it more fail
> safe than the NEC/CSA people had approved. This issue went from the Fire
> Cheif's office who took possesion of the failed electrical device
>
> Maybe the electrical inspector can force some design improvements to the
> FIOS power supply as its impacting the safety issue for the GFI device and
> the nuisance tripping. they likely have more clout than the average joe
>
> What if senerio would be if home healh equipment eg home oxygen
> concentrator was on the same circuit and someones life was impacted by the
> nuisance trip.
> .
> I found when I was working the electronic compatibility is becomming a
> real issue these days as the electronics designs get made cheaper by the
> manufactures.
>
> Hopefully they can go after the FIOS box designers.
>
> Another possibility is to complain directly to the manufactures (TECHNICAL
> SUPPORT GROUP) of the FIOS box and let them know its tripping out the GFI
> circuit breakers manadaetd by the NEC code.
>
> Doug VE5DCP
>
>

[Non-text portions of this message have been removed]

20633. Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 14:41:48 UTC
From: James
Topic: 20584 Message: 20633

Hi Wayne...

Making a trap for a wire antenna is pretty easy.... coil form, wire, capacitor, and mechanical connections to the form for the antenna wire.

Making traps for an aluminum tubing vertical is a totally different project. First you have to consider the main type of aluminum tubing; the next is to try and design a trap that will hold up to the vertical and bending stresses. A trap for a vertical antenna needs to be much more "robust" than for a wire antenna.

Look at a trap for the Hustler BTV series of verticals; heavy tubing swaged onto 1" diameter fiberglass. The fiberglass is used to separate the sections and as a coil form; the outside protective aluminum "cover" is adjustable and provides the capacitance for the trap.

There are other ways to do it, but none lend themselves to easy home construction.

The project, materials, and goals need to be defined further.

Jim, K9JFK

- In ham-antennas@yahoogroups.com, "Wayne" <wayne15857@...> wrote:
>
> Would anyone know a good website or websites showing how to construct traps for homebrew vertical antennas? I have Googled a number of sites but just can't find what I'm looking for.
>
> Thanks.
> Wayne
> NM3B
>

20634. Re: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 15:03:08 UTC
From: Dan Schaaf
Topic: 20584 Message: 20634

Coax traps are easy to make and you can use the coaxial trap calculator to make them. Wind them on a PVC pipe with end caps and run a fiberglass tube 1 inch diameter through the center. Attach the aluminum tubing to the fiberglass with 1 1/8 inch aluminum tubing.
Here is how to do it
http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm

http://www.qsl.net/ve6yp/

http://www.qsl.net/ve6yp/coaxtrap.zip

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: James
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 15, 2011 9:41 AM
Subject: [ham-antennas] Re: Vertical traps

Hi Wayne...

Making a trap for a wire antenna is pretty easy.... coil form, wire, capacitor, and mechanical connections to the form for the antenna wire.

Making traps for an aluminum tubing vertical is a totally different project. First you have to consider the main type of aluminum tubing; the next is to try and design a trap that will hold up to the vertical and bending stresses. A trap for a vertical antenna needs to be much more "robust" than for a wire antenna.

Look at a trap for the Hustler BTV series of verticals; heavy tubing swaged onto 1" diameter fiberglass. The fiberglass is used to separate the sections and as a coil form; the outside protective aluminum "cover" is adjustable and provides the capacitance for the trap.

There are other ways to do it, but none lend themselves to easy home construction.

The project, materials, and goals need to be defined further.

Jim, K9JFK

- In ham-antennas@yahoogroups.com, "Wayne" <wayne15857@...> wrote:
>
> Would anyone know a good website or websites showing how to construct traps for homebrew

vertical antennas? I have Googled a number of sites but just can't find what I'm looking for.
>
> Thanks.
> Wayne
> NM3B
>

[Non-text portions of this message have been removed]

20635. Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 15:17:29 UTC
From: James
Topic: 20584 Message: 20635

Hi Ron...

No, they are not. They are cheap to make, they are easy to make, they can be made with common materials available to hams; but, no, they are not better than a "normal" coil and cap traps. Losses are higher and the more common ones made from RG58 will deteriorate at high power.

Are they a piece of crap? No, you just have to know their limitations.
I'm in the process of adding 160m to an inverted "L"; with a coax trap for 80m, the length of the wire for 160 is about 25ft, but with a Reyco commercial trap, the length is 45ft. The Reyco is a convential L/C trap, and will handle the current legal limit without problems. It also provides less "loading" on the antenna and the 160m section gets to be longer and more efficient. Cost on the Reyco was about 30$US.

Coax traps can be made better by using optimum length-diameter ratios and moving the operations frequencies.

http://www.w8ji.com/traps.htm

http://www.qsl.net/on7eq/projects/coaxtraps.htm

http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm

Above pages have been good references for me; the gregordy page cites the sommers reference for optimum L/C ratios.

Just a note... next year, I may try and use a coax trap in place of the commercial Reyco... if I try and add another band. The current length of wire gets me close to my property line; to shorten the "wiring" I would use the coax traps because of their increased loading effect on this antenna.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:

> The traps made with coax (and no capacitor) are superior to the old fashion kind with a separate
> coil and capacitor.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

20636. Re: [ham-antennas] Calculating Wind Load for HDBX-48

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 15:21:11 UTC
From: Frank Kirschner
Topic: 20531 Message: 20636

Sigi,

The wind load is generally considered to be inversely proportional to the square of the wind speed, so if the tower is good for 18 sq ft at 70 mph, it should be good for

18 * (70^2) / (90^2) = 10.88 sq ft

at 90 mph. However, this is a "back of the envelope" calculation, and a professional engineer might not take it as rigorous.

Rohn is the manufacturer, and I'm sure they know the figures. They won't release them, I suspect in part because they want to sell their more expensive (four times the cost) towers that are rated for 90 mph.

73,
Frank
KF6E

On Fri, Nov 11, 2011 at 3:35 PM, Siegfried Jackstien <
siegfried.jackstien@...> wrote:

> **
>
>
> Back calculation does not work
> The mast itself has a windload that you can not make smaller
> Say your rohn can hold up 10square meters (I know it is lower but just for
> easy calculating)
> If it holds 10sqm in 70mph wind ... it can not hold 1sqm in 700mph (ok no
> wind is so strong) ...
> I was just kidding a bit :-)
>
> Windload is not a linear function and so not easy to calculate a load for a
> different speed
> I know it can be calculated ... but that is not an easy task
>
> See if a rohn is installed close to the ocean (were more wind is) ... maybe
> there the user has different numbers for this type op mast (but I am just
> guessing)
> Dg9bfc
> Sigi
> Ps rohn should know that numbers ... so i would try again to ask them ...
> if
> not the manufacturer ... who else should have the safety margin numbers?!?
>

[Non-text portions of this message have been removed]

20637. Re: Your question!! = Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 15:45:27 UTC
From: Mike Rodgers
Topic: 20608 Message: 20637

It is the case they hack your password because the emails go out to your contact list. All of it. Yahoo is the worst but I've seen others and more of it lately. I've been hacked twice. I use another device for email so I have now deleted all my contacts from the yahoo server. It was a old non updated list anyway. I realize that is not feasible for most.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

20638. Re: Interference with Verizon FIOS Cable Head

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 15:54:14 UTC
From: fred
Topic: 20620 Message: 20638

I had the same problem a while back too , the GFI that the frige and freezer were on would trip whenever I loaded up on 20 metres .the only way Iknew when it tripped was that the CO detector beeps whenever it loses power . was kind of impractible to install chokes and things and I tried a couple of different brands because I had them . there was no difference . I know this is against the NEC code but I live in a 70 year old house so should not have a problem with them , solution was to replace it with a standard outlet . not sure why it was there anyway , is not anywhere near water .
kd5pnt

--- In ham-antennas@yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> A while back, I wrote about my Centurion tripping the GFI circuit into
> which my Verizon FIOS cable head box is plugged. It was on 15 m only,
> where my 102-ft doublet loads up the worst.
>
> I tried a single snap-on ferrite core on the AC power cable of the FIOS
> box, and that seems to have fixed the problem. I put it close to the wall
> socket, thinking the problem was with the socket, not the box. So far, no
> problems.
>
> 73,
> Frank
> KF6E
>
>
> [Non-text portions of this message have been removed]
>

20639. AW: [ham-antennas] Calculating Wind Load for HDBX-48

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 15:55:05 UTC
From: Siegfried Jackstien
Topic: 20531 Message: 20639

Hmmm ... that sounds logical to me (the point with the four times costs)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Frank Kirschner
> Gesendet: Dienstag, 15. November 2011 15:21
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Calculating Wind Load for HDBX-48
>
>
>
> Sigi,
>
> The wind load is generally considered to be inversely proportional to the
> square of the wind speed, so if the tower is good for 18 sq ft at 70 mph,
> it should be good for
>
> 18 * (70^2) / (90^2) = 10.88 sq ft
>
> at 90 mph. However, this is a "back of the envelope" calculation, and a
> professional engineer might not take it as rigorous.
>
> Rohn is the manufacturer, and I'm sure they know the figures. They won't
> release them, I suspect in part because they want to sell their more
> expensive (four times the cost) towers that are rated for 90 mph.
>
> 73,
> Frank
> KF6E
>
> On Fri, Nov 11, 2011 at 3:35 PM, Siegfried Jackstien <
> siegfried.jackstien@... <mailto:siegfried.jackstien%40freenet.de> >
> wrote:
>
> > **
> >
> >
> > Back calculation does not work
> > The mast itself has a windload that you can not make smaller
> > Say your rohn can hold up 10square meters (I know it is lower but just
> for
> > easy calculating)
> > If it holds 10sqm in 70mph wind ... it can not hold 1sqm in 700mph (ok

> no
> > wind is so strong) ...
> > I was just kidding a bit :-)
> >
> > Windload is not a linear function and so not easy to calculate a load
> for a
> > different speed
> > I know it can be calculated ... but that is not an easy task
> >
> > See if a rohn is installed close to the ocean (were more wind is) ...
> maybe
> > there the user has different numbers for this type op mast (but I am
> just
> > guessing)
> > Dg9bfc
> > Sigi
> > Ps rohn should know that numbers ... so i would try again to ask them
> ...
> > if
> > not the manufacturer ... who else should have the safety margin
> numbers?!?
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

20640. Re: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 16:26:41 UTC
From: Dan Schaaf
Topic: 20584 Message: 20640

Greg Ordy made a 60 meter coax trap for me and my 80 meter vertical now works nicely as a 1/4 wave 60 meter vertical also. Works great.,

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: James
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 15, 2011 10:17 AM
Subject: [ham-antennas] Re: Vertical traps

Hi Ron...

No, they are not. They are cheap to make, they are easy to make, they can be made with common materials available to hams; but, no, they are not better than a "normal" coil and cap traps. Losses are higher and the more common ones made from RG58 will deteriorate at high power.

Are they a piece of crap? No, you just have to know their limitations.
I'm in the process of adding 160m to an inverted "L"; with a coax trap for 80m, the length of the wire for 160 is about 25ft, but with a Reyco commercial trap, the length is 45ft. The Reyco is a convential L/C trap, and will handle the current legal limit without problems. It also provides less "loading" on the antenna and the 160m section gets to be longer and more efficient. Cost on the Reyco was about 30$US.

Coax traps can be made better by using optimum length-diameter ratios and moving the operations frequencies.

http://www.w8ji.com/traps.htm

http://www.qsl.net/on7eq/projects/coaxtraps.htm

http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm

Above pages have been good references for me; the gregordy page cites the sommers reference for optimum L/C ratios.

Just a note... next year, I may try and use a coax trap in place of the commercial Reyco... if I try and add another band. The current length of wire gets me close to my property line; to shorten the "wiring" I would use the coax traps because of their increased loading effect on this antenna.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:

> The traps made with coax (and no capacitor) are superior to the old fashion kind with a separate
> coil and capacitor.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

[Non-text portions of this message have been removed]

20641. Re: Your question!! = Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 16:44:46 UTC
From: AB2ZY
Topic: 20608 Message: 20641

Except the emails don't actually originate from either Yahoo or the "hacked" persons email account. They just look like they do.

No knowledge of passwords is necessary. All I need to know is your full email address and the fact that you subscribe to ham-antennas to send spam. Once I know that, you can't do anything to stop me other than changing your email address and unsubscribing that email from ham-antennas.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, Mike Rodgers <mikerodgerske5gbc@...> wrote:
>
> It is the case they hack your password because the emails go out to your contact list. All of it. Yahoo is the worst but I've seen others and more of it lately. I've been hacked twice. I use another device for email so I have now deleted all my contacts from the yahoo server. It was a old non updated list anyway. I realize that is not feasible for most.
>
> 73
> Mike R
>
> Sent from my spy ring
>
> Amateur/Ham Radio KE5GBC
> HF & Echolink
>

20642. Re: Calculating Wind Load for HDBX-48

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 16:50:43 UTC
From: fred
Topic: 20531 Message: 20642

texas towers may know .

kd5pnt

--- In ham-antennas@yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> Sigi,
>
> The wind load is generally considered to be inversely proportional to the
> square of the wind speed, so if the tower is good for 18 sq ft at 70 mph,
> it should be good for
>
> 18 * (70^2) / (90^2) = 10.88 sq ft
>
> at 90 mph. However, this is a "back of the envelope" calculation, and a
> professional engineer might not take it as rigorous.
>
> Rohn is the manufacturer, and I'm sure they know the figures. They won't
> release them, I suspect in part because they want to sell their more
> expensive (four times the cost) towers that are rated for 90 mph.
>
> 73,
> Frank
> KF6E
>
> On Fri, Nov 11, 2011 at 3:35 PM, Siegfried Jackstien <
> siegfried.jackstien@...> wrote:
>
> > **
> > >
> > >
> > > Back calculation does not work
> > > The mast itself has a windload that you can not make smaller
> > > Say your rohn can hold up 10square meters (I know it is lower but just for
> > > easy calculating)
> > > If it holds 10sqm in 70mph wind ... it can not hold 1sqm in 700mph (ok no
> > > wind is so strong) ...
> > > I was just kidding a bit :-)
> > >
> > > Windload is not a linear function and so not easy to calculate a load for a
> > > different speed
> > > I know it can be calculated ... but that is not an easy task
> > >
> > > See if a rohn is installed close to the ocean (were more wind is) ... maybe
> > > there the user has different numbers for this type op mast (but I am just

> > guessing)
> > Dg9bfc
> > Sigi
> > Ps rohn should know that numbers ... so i would try again to ask them ...
> > if
> > not the manufacturer ... who else should have the safety margin numbers?!?
> >
>
>
> [Non-text portions of this message have been removed]
>

20643. Re: [ham-antennas] Re: Calculating Wind Load for HDBX-48

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 17:35:48 UTC
From: Frank Kirschner
Topic: 20531 Message: 20643

Good idea, but I asked them, and they sent me to Rohn. Rohn, in turn, sent me to Thomas Shelby & Co, who indicated they would provide signed and sealed drawings for $900, but didn't indicate that they would certify the design for 90 mph. If I get drawings for $900 certified for 85 mph, that does me no good, and costs about as much as the quad I intent to put up.

73,
Frank
KF6E

On Tue, Nov 15, 2011 at 11:50 AM, fred <radiomanl@...> wrote:

> **
>
>
> texas towers may know .
>
> kd5pnt
>
>

[Non-text portions of this message have been removed]

20644. Re: [ham-antennas] Re: Your question!! = Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 17:44:00 UTC
From: Frank Kirschner
Topic: 20608 Message: 20644

When "hackers" actually obtain someone's password, the first thing they do is change the password so the rightful owner can't change it and lock them out. The fact that in all of the cases we've seen here, the owners accessed their accounts after the incident with no problem indicates that the "hackers" did not, in fact, have the password. They were "spoofing" the email account, that is, sending out falsely identified emails made to look like they came from the legitimate sender.

All they need to do is subscribe to some groups, wait for emails, and spoof one of the many senders.

I own a domain name. There were, at one time, thousands of false emails being sent under that domain name a day, using email addresses for which there were no accounts at all, anywhere. If you have admin access to an SMTP server on the Internet, you can easily do this.

73,
Frank
KF6E

On Tue, Nov 15, 2011 at 10:45 AM, Mike Rodgers
<mikerodgerske5gbc@...>wrote:

> **
>
>
> It is the case they hack your password because the emails go out to your
> contact list. All of it. Yahoo is the worst but I've seen others and more
> of it lately. I've been hacked twice. I use another device for email so I
> have now deleted all my contacts from the yahoo server. It was a old non
> updated list anyway. I realize that is not feasible for most.
>
> 73
> Mike R
>
> Sent from my spy ring
>
> Amateur/Ham Radio KE5GBC
> HF & Echolink
> __._
>

[Non-text portions of this message have been removed]

20645. Re: Your question!! = Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 19:01:28 UTC
From: kj4fgi
Topic: 20608 Message: 20645

Hackers access, in most cases is through the uneducated individual on e-mail titles, never open an email that has no title ex: (RE:)
(Hello my friend) (Maybe you can help me out) get the picture, there are more examples search Google. I belong to a lot of yahoo groups and even if it looks legit but I'm not sure DELETE, BY BY, I don't care. Most of the time it's just a malicious Worm and you can avoid it.

Ed kj4fgi

--- In ham-antennas@yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> When "hackers" actually obtain someone's password, the first thing they do
> is change the password so the rightful owner can't change it and lock them
> out. The fact that in all of the cases we've seen here, the owners
> accessed their accounts after the incident with no problem indicates that
> the "hackers" did not, in fact, have the password. They were "spoofing"
> the email account, that is, sending out falsely identified emails made to
> look like they came from the legitimate sender.
>
> All they need to do is subscribe to some groups, wait for emails, and spoof
> one of the many senders.
>
> I own a domain name. There were, at one time, thousands of false emails
> being sent under that domain name a day, using email addresses for which
> there were no accounts at all, anywhere. If you have admin access to an
> SMTP server on the Internet, you can easily do this.
>
> 73,
> Frank
> KF6E
>
> On Tue, Nov 15, 2011 at 10:45 AM, Mike Rodgers
> <mikerodgerske5gbc@...>wrote:
>
> > **
> >
> >
> > It is the case they hack your password because the emails go out to your
> > contact list. All of it. Yahoo is the worst but I've seen others and more
> > of it lately. I've been hacked twice. I use another device for email so I
> > have now deleted all my contacts from the yahoo server. It was a old non
> > updated list anyway. I realize that is not feasible for most.
> >
> > 73
> > Mike R

> >
> > Sent from my spy ring
> >
> > Amateur/Ham Radio KE5GBC
> > HF & Echolink
> > __._
> >
>
>
> [Non-text portions of this message have been removed]
>

20646. Re: RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 19:25:34 UTC
From: drmjf
Topic: 20618 Message: 20646

It only happens on 1 TV out of 3. The signal comes from the same splitter box.
Thanks for all the suggestions I will try them.
Mike KI6SDO

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Sounds like overload/desense. The farther you can move the Satellite
> dish from the ham antennas the better.
>
> Does it only happen on some ham bands not others? If that is the case it
> may be that the coax feedline from the dish to the tuner is resonant at
> a particular ham band, changing the length of the satellite cable may
> solve the problem or "move it" to another band. Ferrite beads on the
> ends in the middle of the dish cable run may stop it
>
> Dave
> NR1DX
>
> On 11/14/2011 12:14 PM, drmjf wrote:
> >
> > I am having problems with my direct tv satellite reception. When I
> > transmit my reception goes away. Any ideas how to stop it? I have a
> > low pass filter inline.
> > Thanks, Mike KI6SDO
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
> [Non-text portions of this message have been removed]
>

20647. Re: [ham-antennas] Re: RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 19:34:08 UTC
From: Frank Kirschner
Topic: 20618 Message: 20647

Then it's probably the TV itself, and not the satellite receiver. Try ferrite cores on all the cables attached to the TV (power, coax, audio, etc.)

GL

73,
Frank
KF6E

On Tue, Nov 15, 2011 at 2:25 PM, drmjf <ki6sdo@...> wrote:

> **
>
>
> It only happens on 1 TV out of 3. The signal comes from the same splitter
> box.
> Thanks for all the suggestions I will try them.
> Mike KI6SDO
>

[Non-text portions of this message have been removed]

20648. Re: [ham-antennas] Re: Your question!! = Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-15 21:20:42 UTC
From: Ron Youvan
Topic: 20608 Message: 20648

Ed kj4fgi wrote:

> Hackers access, in most cases is through the uneducated individual on e-mail titles, never open an
> email that has no title ex: (RE:)
> (Hello my friend) (Maybe you can help me out) get the picture, there are more examples search
> Google. I belong to a lot of yahoo groups and even if it looks legit but I'm not sure DELETE, BY BY,
> I don't care. Most of the time it's just a malicious Worm and you can avoid it.

I always open everything and I follow every link to see what they are selling, if SPAM I send the
sender a note that his account is spewing SPAN.

There is never a danger or worry. (unless you are the devils own OS, naturally)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20649. Re: [ham-antennas] Re: RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 03:02:21 UTC
From: Tom Horton
Topic: 20618 Message: 20649

Mike,
 I had this problem when I switched to Direct TV from Dish Network aabout a yeaar ago.
I had absolutely NO problems with Dish Network, but with Direct it was really doing wierd things like sometimes even turning the Direct Receiver off.
After checking things , using ferrite beads etc...I finally called Direct and they were very nice to work with.
They sent a guy out that had absolutely no idea about this stuff and didn't even know what "RF" was. Anyway, I had a number to call back and did so.I spoke to the same lady and told her that I needed a technician and not a contracted installer.
 The next day a guy was here and tried everything. Finally I asked him about the receiver itself. He said it was the latest and greatest. I asked if we could try another type. He had one on th etruck and sure enough all th eproblems went away.
 So you might just give them a call and explain what is going on. Maybe they can help you.
 Tom K5IID

By the way there is a forum on their website where some of the TVI problems have been discussed. I think I even wrote on it.
 Good Luck

"Socialism is a philosophy of failure,
the creed of ignorance, and the gospel of envy,
its inherent virtue is the equal sharing of misery.."
-- Winston Churchill

If you don't like my signature, well, I am sorry. But I will use it because it is what I believe.

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 54 years!

--- On Tue, 11/15/11, drmjf <ki6sdo@gmail.com> wrote:

From: drmjf <ki6sdo@...>
Subject: [ham-antennas] Re: RF noise with direct tv.
To: ham-antennas@yahoogroups.com
Date: Tuesday, November 15, 2011, 1:25 PM

It only happens on 1 TV out of 3. The signal comes from the same splitter box.
Thanks for all the suggestions I will try them.
Mike KI6SDO

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Sounds like overload/desense. The farther you can move the Satellite
> dish from the ham antennas the better.
>

> Does it only happen on some ham bands not others? If that is the case it
> may be that the coax feedline from the dish to the tuner is resonant at
> a particular ham band, changing the length of the satellite cable may
> solve the problem or "move it" to another band. Ferrite beads on the
> ends in the middle of the dish cable run may stop it
>
> Dave
> NR1DX
>
> On 11/14/2011 12:14 PM, drmjf wrote:
> >
> > I am having problems with my direct tv satellite reception. When I
> > transmit my reception goes away. Any ideas how to stop it? I have a
> > low pass filter inline.
> > Thanks, Mike KI6SDO
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20650. Ladderline construction ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 07:06:23 UTC
From: Anil 2
Topic: 20650 Message: 20650

Kindly let me know the link to make a ladderline of different impedence.

Anil VU2TRI

[Non-text portions of this message have been removed]

20651. AW: [ham-antennas] Ladderline construction ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 12:34:34 UTC
From: Siegfried Jackstien
Topic: 20650 Message: 20651

Maybe that is of help??
http://www.athensarc.org/ladder.asp

or just see at the table found here:
http://www.gameangler.eu/delboy/m0dad/homebrew_ladder_line.htm

dg9bfc
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Anil 2
> Gesendet: Mittwoch, 16. November 2011 07:06
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Ladderline construction ?
>
>
>
> Kindly let me know the link to make a ladderline of different impedence.
>
> Anil VU2TRI
>
> [Non-text portions of this message have been removed]
>
>
>
>

20652. Re: RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 12:39:27 UTC
From: Dan
Topic: 20618 Message: 20652

I have an HD DVR HR24-200 and when I key my IC7000 on CW or PSK or JT65 my DVR goes nuts. It changes channels, rolls screen, turn on or off record and eventually goes to a blue screen with a searching for signal and goes into a reset when transmitter is unkeyed. I have two DVR's and the bedroom is NOT HD and works fine. I suspect the front panel (touch screen like controls) is suspect to overload from a faulty design. I changed my remote to RF mode and that seemed to help. If you have an FCC label on the back of your remote you have an RF capable remote. I seem to have problems when I transmit above 30 watts or so. My next project is to see if enclosing the DVR in aluminum foil, thereby shielding it, will help. I don't think standard methods such as ferrite beads, grounding, etc will help a faulty design.

--- In ham-antennas@yahoogroups.com, MIKE DURKIN <Patriot121@...> wrote:
>
> How close is the transmitting antenna to your Direct Tv antenna?
>
> To: ham-antennas@yahoogroups.com
> From: ki6sdo@...
> Date: Mon, 14 Nov 2011 18:14:34 +0000
> Subject: [ham-antennas] RF noise with direct tv.
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> I am having problems with my direct tv satellite reception. When I transmit my reception goes away. Any ideas how to stop it? I have a low pass filter inline.

> Thanks, Mike KI6SDO
>
> [Non-text portions of this message have been removed]
>

20653. Re: [ham-antennas] Re: RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 14:26:37 UTC
From: Artekmedia
Topic: 20618 Message: 20653

Try the beads first on the power cord and the cables ...you might be surprised ..a lot of RFI is "conducted" via the cabling. Also as a fun experiment try swapping the two DVR's and see if HR24-200 goes nuts when it is the bedroom.

73
Dave
NR1DX

On 11/16/2011 6:39 AM, Dan wrote:
>
> I have an HD DVR HR24-200 and when I key my IC7000 on CW or PSK or
> JT65 my DVR goes nuts. It changes channels, rolls screen, turn on or
> off record and eventually goes to a blue screen with a searching for
> signal and goes into a reset when transmitter is unkeyed. I have two
> DVR's and the bedroom is NOT HD and works fine. I suspect the front
> panel (touch screen like controls) is suspect to overload from a
> faulty design. I changed my remote to RF mode and that seemed to help.
> If you have an FCC label on the back of your remote you have an RF
> capable remote. I seem to have problems when I transmit above 30 watts
> or so. My next project is to see if enclosing the DVR in aluminum
> foil, thereby shielding it, will help. I don't think standard methods
> such as ferrite beads, grounding, etc will help a faulty design.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, MIKE DURKIN <Patriot121@...>
> wrote:
> >
> > How close is the transmitting antenna to your Direct Tv antenna?
> >
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > From: ki6sdo@...
> > Date: Mon, 14 Nov 2011 18:14:34 +0000
> > Subject: [ham-antennas] RF noise with direct tv.
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >

> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > I am having problems with my direct tv satellite reception. When I
> transmit my reception goes away. Any ideas how to stop it? I have a
> low pass filter inline.
> >
> > Thanks, Mike KI6SDO
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20654. Re: [ham-antennas] Re: RF noise with direct tv.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 16:04:05 UTC
From: Richard Solomon
Topic: 20618 Message: 20654

Or, you could just change to Dish Network, get the 90 day "loss leader"
deal
and dump DT !!

73, Dick, W1KSZ

On Wed, Nov 16, 2011 at 7:26 AM, Artekmedia <nr1dx@...> wrote:

> **
>
>
> Try the beads first on the power cord and the cables ...you might be
> surprised ..a lot of RFI is "conducted" via the cabling. Also as a fun
> experiment try swapping the two DVR's and see if HR24-200 goes nuts when
> it is the bedroom.
>
> 73
> Dave
> NR1DX
>
> On 11/16/2011 6:39 AM, Dan wrote:
> >
> > I have an HD DVR HR24-200 and when I key my IC7000 on CW or PSK or
> > JT65 my DVR goes nuts. It changes channels, rolls screen, turn on or
> > off record and eventually goes to a blue screen with a searching for
> > signal and goes into a reset when transmitter is unkeyed. I have two
> > DVR's and the bedroom is NOT HD and works fine. I suspect the front
> > panel (touch screen like controls) is suspect to overload from a
> > faulty design. I changed my remote to RF mode and that seemed to help.
> > If you have an FCC label on the back of your remote you have an RF
> > capable remote. I seem to have problems when I transmit above 30 watts
> > or so. My next project is to see if enclosing the DVR in aluminum
> > foil, thereby shielding it, will help. I don't think standard methods
> > such as ferrite beads, grounding, etc will help a faulty design.
> >
> > --- In ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>, MIKE DURKIN <Patriot121@...>
> > wrote:
> > >
> > > How close is the transmitting antenna to your Direct Tv antenna?
> > >
> > > To: ham-antennas@yahoogroups.com <mailto:
> ham-antennas%40yahoogroups.com>
> > > From: ki6sdo@...
> > > Date: Mon, 14 Nov 2011 18:14:34 +0000
> > > Subject: [ham-antennas] RF noise with direct tv.

> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > I am having problems with my direct tv satellite reception. When I
> > transmit my reception goes away. Any ideas how to stop it? I have a
> > low pass filter inline.
> > >
> > > Thanks, Mike KI6SDO
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >

> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@ArtekMedia.com
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

20655. Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 17:55:14 UTC
From: James
Topic: 20584 Message: 20655

Hi Dan...

Good to hear.. it looks to be a sturdy and weather resistant design.

I suppose a commercial LC trap could be adapted to a fiberglass support, but Gregg's design looks "better". Certainly, the diameter of the fiberglass could be changed to accommodate any associated tubing.

Well... now you've got me thinkin'.... I've got this bag of 10 army surplus fiberglass tent poles the came from ebay a couple of years ago...

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> Greg Ordy made a 60 meter coax trap for me and my 80 meter vertical now works nicely as a 1/4 wave 60 meter vertical also. Works great.,
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
>
> ----- Original Message -----
> From: James
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, November 15, 2011 10:17 AM
> Subject: [ham-antennas] Re: Vertical traps
>
>
>
>
> Hi Ron...
>
> No, they are not. They are cheap to make, they are easy to make, they can be made with common materials available to hams; but, no, they are not better than a "normal" coil and cap traps. Losses are higher and the more common ones made from RG58 will deteriorate at high power.
>
> Are they a piece of crap? No, you just have to know their limitations.
> I'm in the process of adding 160m to an inverted "L"; with a coax trap for 80m, the length of the wire for 160 is about 25ft, but with a Reyco commercial trap, the length is 45ft. The Reyco is a convential L/C trap, and will handle the current legal limit without

problems. It also provides less "loading" on the antenna and the 160m section gets to be longer and more efficient. Cost on the Reyco was about 30$US.
>
> Coax traps can be made better by using optimum length-diameter ratios and moving the operations frequencies.
>
> http://www.w8ji.com/traps.htm
>
> http://www.qsl.net/on7eq/projects/coaxtraps.htm
>
> http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm
>
> Above pages have been good references for me; the gregordy page cites the sommers reference for optimum L/C ratios.
>
> Just a note... next year, I may try and use a coax trap in place of the commercial Reyco... if I try and add another band. The current length of wire gets me close to my property line; to shorten the "wiring" I would use the coax traps because of their increased loading effect on this antenna.
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@> wrote:
>
> > The traps made with coax (and no capacitor) are superior to the old fashion kind with a separate
> > coil and capacitor.
> > --
> > Ron KA4INM - Did you know ...
> > ... that no-one ever reads these things?
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20656. Re: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 18:08:40 UTC
From: Dan Schaaf
Topic: 20584 Message: 20656

Jim

Just as an added measure, I slid a piece of 6 inch diameter black shrink tubing over it to protect the coax and heat shrunk it. Been standing up well to the Florida heat and intense sun.
The sun keeps it shrunk HiHi.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: James
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 16, 2011 12:55 PM
Subject: [ham-antennas] Re: Vertical traps

Hi Dan...

Good to hear.. it looks to be a sturdy and weather resistant design.

I suppose a commercial LC trap could be adapted to a fiberglass support, but Gregg's design looks "better". Certainly, the diameter of the fiberglass could be changed to accommodate any associated tubing.

Well... now you've got me thinkin'.... I've got this bag of 10 army surplus fiberglass tent poles the came from ebay a couple of years ago...

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> Greg Ordy made a 60 meter coax trap for me and my 80 meter vertical now works nicely as a 1/4 wave 60 meter vertical also. Works great.,
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
>
> ----- Original Message -----
> From: James
> To: ham-antennas@yahoogroups.com

> Sent: Tuesday, November 15, 2011 10:17 AM
> Subject: [ham-antennas] Re: Vertical traps
>
>
>
> Hi Ron...
>
> No, they are not. They are cheap to make, they are easy to make, they can be made with common materials available to hams; but, no, they are not better than a "normal" coil and cap traps. Losses are higher and the more common ones made from RG58 will deteriorate at high power.
>
> Are they a piece of crap? No, you just have to know their limitations.
> I'm in the process of adding 160m to an inverted "L"; with a coax trap for 80m, the length of the wire for 160 is about 25ft, but with a Reyco commercial trap, the length is 45ft. The Reyco is a convential L/C trap, and will handle the current legal limit without problems. It also provides less "loading" on the antenna and the 160m section gets to be longer and more efficient. Cost on the Reyco was about 30$US.
>
> Coax traps can be made better by using optimum length-diameter ratios and moving the operations frequencies.
>
> http://www.w8ji.com/traps.htm
>
> http://www.qsl.net/on7eq/projects/coaxtraps.htm
>
> http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm
>
> Above pages have been good references for me; the gregordy page cites the sommers reference for optimum L/C ratios.
>
> Just a note... next year, I may try and use a coax trap in place of the commercial Reyco... if I try and add another band. The current length of wire gets me close to my property line; to shorten the "wiring" I would use the coax traps because of their increased loading effect on this antenna.
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@> wrote:
>
> > The traps made with coax (and no capacitor) are superior to the old fashion kind with a separate
> > coil and capacitor.
> > --
> > Ron KA4INM - Did you know ...
> > ... that no-one ever reads these things?
> >
>
>
>

>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

20657. AW: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 18:48:52 UTC
From: Siegfried Jackstien
Topic: 20584 Message: 20657

Did that heat shrink tube lower fres? Did it lower q factor of the coil??
So that would add some loss I think
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dan Schaaf
> Gesendet: Mittwoch, 16. November 2011 18:09
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Vertical traps
>
>
>
> Jim
>
> Just as an added measure, I slid a piece of 6 inch diameter black shrink
> tubing over it to protect the coax and heat shrunk it. Been standing up
> well to the Florida heat and intense sun.
> The sun keeps it shrunk HiHi.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
> ----- Original Message -----
> From: James
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, November 16, 2011 12:55 PM
> Subject: [ham-antennas] Re: Vertical traps
>
> Hi Dan...
>
> Good to hear.. it looks to be a sturdy and weather resistant design.
>
> I suppose a commercial LC trap could be adapted to a fiberglass support,
> but Gregg's design looks "better". Certainly, the diameter of the
> fiberglass could be changed to accommodate any associated tubing.
>
> Well... now you've got me thinkin'.... I've got this bag of 10 army
> surplus fiberglass tent poles the came from ebay a couple of years ago...
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com> , "Dan Schaaf" <dan-schaaf@...> wrote:
> >
> > Greg Ordy made a 60 meter coax trap for me and my 80 meter vertical now
> works nicely as a 1/4 wave 60 meter vertical also. Works great.,
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com
> > NOBSKA www.nobska.net
> > Cape Cod Instruments www.gnm-inc.com
> > Tel: 941-766-0706
> > Fax: 941-766-0707
> >
> >
> > ----- Original Message -----
> > From: James
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Tuesday, November 15, 2011 10:17 AM
> > Subject: [ham-antennas] Re: Vertical traps
> >
> >
> >
> > Hi Ron...
> >
> > No, they are not. They are cheap to make, they are easy to make, they
> can be made with common materials available to hams; but, no, they are not
> better than a "normal" coil and cap traps. Losses are higher and the more
> common ones made from RG58 will deteriorate at high power.
> >
> > Are they a piece of crap? No, you just have to know their limitations.
> > I'm in the process of adding 160m to an inverted "L"; with a coax trap
> for 80m, the length of the wire for 160 is about 25ft, but with a Reyco
> commercial trap, the length is 45ft. The Reyco is a convential L/C trap,
> and will handle the current legal limit without problems. It also provides
> less "loading" on the antenna and the 160m section gets to be longer and
> more efficient. Cost on the Reyco was about 30$US.
> >
> > Coax traps can be made better by using optimum length-diameter ratios
> and moving the operations frequencies.
> >
> > http://www.w8ji.com/traps.htm
> >
> > http://www.qsl.net/on7eq/projects/coaxtraps.htm
> >
> > http://www.seed-
> solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm
> >
> > Above pages have been good references for me; the gregordy page cites
> the sommers reference for optimum L/C ratios.
> >

> > Just a note... next year, I may try and use a coax trap in place of the
> commercial Reyco... if I try and add another band. The current length of
> wire gets me close to my property line; to shorten the "wiring" I would
> use the coax traps because of their increased loading effect on this
> antenna.
> >
> > Jim, K9JFK
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , Ron Youvan <ka4inm@> wrote:
> >
> > > The traps made with coax (and no capacitor) are superior to the old
> fashion kind with a separate
> > > coil and capacitor.
> > > --
> > > Ron KA4INM - Did you know ...
> > > ... that no-one ever reads these things?
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

20658. AW: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 18:52:55 UTC
From: Siegfried Jackstien
Topic: 20584 Message: 20658

10 fibre-glass tent poles??? I have plans for a nice 80m vertical beam
antenna
Works as good as a 4-square but needs only one (non-metallic!) pole
No phasing-lines needed (cause parasitic elements are used) so easier to
feed
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von James
> Gesendet: Mittwoch, 16. November 2011 17:55
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Vertical traps
>
>
>
> Hi Dan...
>
> Good to hear.. it looks to be a sturdy and weather resistant design.
>
> I suppose a commercial LC trap could be adapted to a fiberglass support,
> but Gregg's design looks "better". Certainly, the diameter of the
> fiberglass could be changed to accommodate any associated tubing.
>
> Well... now you've got me thinkin'.... I've got this bag of 10 army
> surplus fiberglass tent poles the came from ebay a couple of years ago...
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Dan Schaaf" <dan-schaaf@...> wrote:
> >
> > Greg Ordy made a 60 meter coax trap for me and my 80 meter vertical now
> works nicely as a 1/4 wave 60 meter vertical also. Works great.,
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com
> > NOBSKA www.nobska.net
> > Cape Cod Instruments www.gnm-inc.com
> > Tel: 941-766-0706
> > Fax: 941-766-0707
> >
> >

> > ----- Original Message -----
> > From: James
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Tuesday, November 15, 2011 10:17 AM
> > Subject: [ham-antennas] Re: Vertical traps
> >
> >
> >
> > Hi Ron...
> >
> > No, they are not. They are cheap to make, they are easy to make, they
> can be made with common materials available to hams; but, no, they are not
> better than a "normal" coil and cap traps. Losses are higher and the more
> common ones made from RG58 will deteriorate at high power.
> >
> > Are they a piece of crap? No, you just have to know their limitations.
> > I'm in the process of adding 160m to an inverted "L"; with a coax trap
> for 80m, the length of the wire for 160 is about 25ft, but with a Reyco
> commercial trap, the length is 45ft. The Reyco is a convential L/C trap,
> and will handle the current legal limit without problems. It also provides
> less "loading" on the antenna and the 160m section gets to be longer and
> more efficient. Cost on the Reyco was about 30$US.
> >
> > Coax traps can be made better by using optimum length-diameter ratios
> and moving the operations frequencies.
> >
> > http://www.w8ji.com/traps.htm
> >
> > http://www.qsl.net/on7eq/projects/coaxtraps.htm
> >
> > http://www.seed-
> solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm
> >
> > Above pages have been good references for me; the gregordy page cites
> the sommers reference for optimum L/C ratios.
> >
> > Just a note... next year, I may try and use a coax trap in place of the
> commercial Reyco... if I try and add another band. The current length of
> wire gets me close to my property line; to shorten the "wiring" I would
> use the coax traps because of their increased loading effect on this
> antenna.
> >
> > Jim, K9JFK
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , Ron Youvan <ka4inm@> wrote:
> >
> > > The traps made with coax (and no capacitor) are superior to the old
> fashion kind with a separate
> > > coil and capacitor.

> > > --
> > > Ron KA4INM - Did you know ...
> > > ... that no-one ever reads these things?
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>

20659. Re: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-16 19:14:26 UTC
From: Dan Schaaf
Topic: 20584 Message: 20659

It is not easy to know if there is any loss of any kind .
It is a 1/4 wave vertical which has a wide bandpass by nature of it's length.
But, it loads just fine and works DX just fine.
Not sure why there would be any losses.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 16, 2011 1:48 PM
Subject: AW: [ham-antennas] Re: Vertical traps

Did that heat shrink tube lower fres? Did it lower q factor of the coil??
So that would add some loss I think
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dan Schaaf
> Gesendet: Mittwoch, 16. November 2011 18:09
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Vertical traps
>
>
>
> Jim
>
> Just as an added measure, I slid a piece of 6 inch diameter black shrink
> tubing over it to protect the coax and heat shrunk it. Been standing up
> well to the Florida heat and intense sun.
> The sun keeps it shrunk HiHi.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
> ----- Original Message -----
> From: James
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, November 16, 2011 12:55 PM
> Subject: [ham-antennas] Re: Vertical traps
>

> Hi Dan...
>
> Good to hear.. it looks to be a sturdy and weather resistant design.
>
> I suppose a commercial LC trap could be adapted to a fiberglass support,
> but Gregg's design looks "better". Certainly, the diameter of the
> fiberglass could be changed to accommodate any associated tubing.
>
> Well... now you've got me thinkin'.... I've got this bag of 10 army
> surplus fiberglass tent poles the came from ebay a couple of years ago...
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Dan Schaaf" <dan-schaaf@...> wrote:
> >
> > Greg Ordy made a 60 meter coax trap for me and my 80 meter vertical now
> works nicely as a 1/4 wave 60 meter vertical also. Works great.,
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com
> > NOBSKA www.nobska.net
> > Cape Cod Instruments www.gnm-inc.com
> > Tel: 941-766-0706
> > Fax: 941-766-0707
> >
> >
> > ----- Original Message -----
> > From: James
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Tuesday, November 15, 2011 10:17 AM
> > Subject: [ham-antennas] Re: Vertical traps
> >
> >
> >
> > Hi Ron...
> >
> > No, they are not. They are cheap to make, they are easy to make, they
> can be made with common materials available to hams; but, no, they are not
> better than a "normal" coil and cap traps. Losses are higher and the more
> common ones made from RG58 will deteriorate at high power.
> >
> > Are they a piece of crap? No, you just have to know their limitations.
> > I'm in the process of adding 160m to an inverted "L"; with a coax trap
> for 80m, the length of the wire for 160 is about 25ft, but with a Reyco
> commercial trap, the length is 45ft. The Reyco is a convential L/C trap,
> and will handle the current legal limit without problems. It also provides
> less "loading" on the antenna and the 160m section gets to be longer and
> more efficient. Cost on the Reyco was about 30$US.

> >
> > Coax traps can be made better by using optimum length-diameter ratios
> and moving the operations frequencies.
> >
> > http://www.w8ji.com/traps.htm
> >
> > http://www.qsl.net/on7eq/projects/coaxtraps.htm
> >
> > http://www.seed-
> solutions.com/gregordy/Amateur%20Radio/Experimentation/CoaxTrap.htm
> >
> > Above pages have been good references for me; the gregordy page cites
> the sommers reference for optimum L/C ratios.
> >
> > Just a note... next year, I may try and use a coax trap in place of the
> commercial Reyco... if I try and add another band. The current length of
> wire gets me close to my property line; to shorten the "wiring" I would
> use the coax traps because of their increased loading effect on this
> antenna.
> >
> > Jim, K9JFK
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , Ron Youvan <ka4inm@> wrote:
> >
> > > The traps made with coax (and no capacitor) are superior to the old
> fashion kind with a separate
> > > coil and capacitor.
> > > --
> > > Ron KA4INM - Did you know ...
> > > ... that no-one ever reads these things?
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

20660. Hacked account!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 01:35:07 UTC
From: K6LCS
Topic: 20608 Message: 20660

Are "we" so stupid that we actually respond to this b.s.?

Well, apparently six of us are - as we stupidly replied to it.

Just let them be ... and the group moderator will do his thing and deal with it.

Clint Bradford, K6LCS
909-241-7666

20661. Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 02:24:50 UTC
From: Wayne
Topic: 20584 Message: 20661

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Wayne NM3B wrote:
>
> > Would anyone know a good website or websites showing how to construct traps for home-brew vertical
> > antennas? I have Googled a number of sites but just can't find what I'm looking for.
>
> The traps made with coax (and no capacitor) are superior to the old fashion kind with a separate
> coil and capacitor.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
Ron,
Thanks for the input. I have been doing a lot of research and lot of great ideas.

Wayne

20662. Re: [ham-antennas] Interference with Verizon FIOS Cable Head

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 03:14:26 UTC
From: Ron Youvan
Topic: 20620 Message: 20662

Frank KF6E Kirschner wrote:

> A while back, I wrote about my Centurion tripping the GFI circuit into
> which my Verizon FIOS cable head box is plugged. It was on 15 m only,
> where my 102-ft doublet loads up the worst.

This is common if there is no balun at the feed point.

> I tried a single snap-on ferrite core on the AC power cable of the FIOS
> box, and that seems to have fixed the problem. I put it close to the wall
> socket, thinking the problem was with the socket, not the box. So far, no
> problems.

Sometimes GFI receptacle "false trip" troubles can be relieved by replacing the receptacle with a
standard receptacle and the standard breaker with a GFI breaker.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20663. Suggested Apex height for Alpha-Delta DX-cc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 14:42:08 UTC
From: Robert Costa, KB6QXM
Topic: 20663 Message: 20663

I have a alpha-delta DX-cc 80-10 fan dipole. Can anyone tell me what is the minimum height that the dipole apex should be?

[Non-text portions of this message have been removed]

20664. Re: Suggested Apex height for Alpha-Delta DX-cc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 15:04:24 UTC
From: alphadeltacom
Topic: 20663 Message: 20664

We test the Model DX-CC at an apex height of 35 ft. as an inverted-V. Flat top configuration works well too. For longer distant DX performance higher is better but we have many reports of 100+ country DXCC results with the antenna at 35 ft. Depends on the band in use. 40-50 ft. works quite well.

Don, W8AD, Alpha Delta

--- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:
>
> I have a alpha-delta DX-cc 80-10 fan dipole. Can anyone tell me what is the minimum height that the dipole apex should be?
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20665. Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 16:36:33 UTC
From: James
Topic: 20584 Message: 20665

Hi Sigi...

The fiberglass sectional poles have been available in the US for the last 10 or 15 years as military surplus. They were originally designed to hold up very large tents and come in a couple of different styles. Typically with a bag of 10, you can reach 40ft, but it needs to be guyed. A couple of web sites sell them, buy many are available on ebay in the US. The poles also available in high strength aluminum

Do a quick search on ebay... "mast", in the "Ham radio and CB" category and you'll see all the things that pop up. These things are over 40mm in diameter and quite strong. The shipping adds more to cost ... unless you can find a dealer at a swapfest.

Mine came in a carrying bag, and looked unused. Since US forces are withdrawing from desert areas, I expect the availability of these poles to dwindle over the next couple of years.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...>
wrote:
>
> 10 fibre-glass tent poles??? I have plans for a nice 80m vertical beam
> antenna
> Works as good as a 4-square but needs only one (non-metallic!) pole
> No phasing-lines needed (cause parasitic elements are used) so easier to
> feed
> Dg9bfc
> Sigi

20666. just an idea

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 17:51:31 UTC
From: jo barden
Topic: 20666 Message: 20666

Hi All Being pretty skint but still wanting to do stuff I am considering getting a 3.9m fishing pole (ebay about £6.00 including del) and using self adhesive 1/4" copper tape helically wound on it so as to be a quarter wave for 20m, I was going to solder jumper wires across each section so it can be dismantled and having 4 quarter wavelength radials and put on stake for beach use. So has anybody done similar? What have I forgotten and should I just stick to brewing some beer instead? Jon G6UWK

[Non-text portions of this message have been removed]

20667. AW: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 18:10:02 UTC
From: Siegfried Jackstien
Topic: 20584 Message: 20667

I know these poles
Sometimes can even be found here on hamfests so ...
Just wanted to light up your head what could also be done with them :-)
Greetz
Sigi
Ps you got mail :-)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von James
> Gesendet: Donnerstag, 17. November 2011 16:37
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Vertical traps
>
>
>
> Hi Sigi...
>
> The fiberglass sectional poles have been available in the US for the last
> 10 or 15 years as military surplus. They were originally designed to hold
> up very large tents and come in a couple of different styles. Typically
> with a bag of 10, you can reach 40ft, but it needs to be guyed. A couple
> of web sites sell them, buy many are available on ebay in the US. The
> poles also available in high strength aluminum
>
> Do a quick search on ebay... "mast", in the "Ham radio and CB" category
> and you'll see all the things that pop up. These things are over 40mm in
> diameter and quite strong. The shipping adds more to cost ... unless you
> can find a dealer at a swapfest.
>
> Mine came in a carrying bag, and looked unused. Since US forces are
> withdrawing from desert areas, I expect the availability of these poles to
> dwindle over the next couple of years.
>
> Jim, K9JFK
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Siegfried Jackstien"
> <siegfried.jackstien@...> wrote:
> >
> > 10 fibre-glass tent poles??? I have plans for a nice 80m vertical beam
> > antenna
> > Works as good as a 4-square but needs only one (non-metallic!) pole
> > No phasing-lines needed (cause parasitic elements are used) so easier to
> > feed

> > Dg9bfc
> > Sigi
>
>
>
>

20668. Running a CushCraft R7000 through an Autotuner?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 18:38:19 UTC
From: AE6FE
Topic: 20668 Message: 20668

Greetings all:

I have a refurbished Cushcraft R7000. I envision making a coax "pigtail" and connecting the R7000 thourgh my autotuner (ICOM AH4. In theory, the R7000 should not needs an antenna tuner, however, using an antenna analyser, I was able to get a close, but not acceptable match on 40m and 20m.

Will my proposed set-up overcome this SWR issue?

Guy
AE6FE

20669. Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 19:08:31 UTC
From: kj4fgi
Topic: 20584 Message: 20669

Just to give you an idea, I have already bought these, make sure you want the ones that are Collared (for strength)

http://www.ebay.com/itm/12-Military-Fibreglass-Mast-Support-Poles-Ham-Radio-48-/160530378014?pt=LH_DefaultDomain_0&hash=item25605b2d1e

http://www.ebay.com/itm/12-Military-Fiberglass-Mast-Poles-Great-for-Antenna-WOW-/110777782289?pt=LH_DefaultDomain_0&hash=item19caded011

Eddie KJ4FGI

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:
>
> I know these poles
> Sometimes can even be found here on hamfests so ...
> Just wanted to light up your head what could also be done with them :-)
> Greetz
> Sigi
> Ps you got mail :-)
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von James
> > Gesendet: Donnerstag, 17. November 2011 16:37
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Re: Vertical traps
> >
> >
> >
> > Hi Sigi...
> >
> > The fiberglass sectional poles have been available in the US for the last
> > 10 or 15 years as military surplus. They were originally designed to hold
> > up very large tents and come in a couple of different styles. Typically
> > with a bag of 10, you can reach 40ft, but it needs to be guyed. A couple
> > of web sites sell them, buy many are available on ebay in the US. The
> > poles also available in high strength aluminum
> >
> > Do a quick search on ebay... "mast", in the "Ham radio and CB" category
> > and you'll see all the things that pop up. These things are over 40mm in
> > diameter and quite strong. The shipping adds more to cost ... unless you
> > can find a dealer at a swapfest.
> >
> > Mine came in a carrying bag, and looked unused. Since US forces are
> > withdrawing from desert areas, I expect the availability of these poles to

> > dwindle over the next couple of years.
> >
> > Jim, K9JFK
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> , "Siegfried Jackstien"
> > <siegfried.jackstien@> wrote:
> > >
> > > 10 fibre-glass tent poles??? I have plans for a nice 80m vertical beam
> > > antenna
> > > Works as good as a 4-square but needs only one (non-metallic!) pole
> > > No phasing-lines needed (cause parasitic elements are used) so easier to
> > > feed
> > > Dg9bfc
> > > Sigi
> >
> >
> >
> >
>

20670. Re: [ham-antennas] just an idea

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 20:24:26 UTC
From: WA8JXM
Topic: 20666 Message: 20670

On Nov 17, 2011, at 12:51 PM, jo barden wrote:

> Hi All Being pretty skint but still wanting to do stuff I am considering getting a 3.9m fishing pole (ebay about £6.00 including del) and using self adhesive 1/4" copper tape helically wound on it so as to be a quarter wave for 20m, I was going to solder jumper wires across each section so it can be dismantled and having 4 quarter wavelength radials and put on stake for beach use. So has anybody done similar? What have I forgotten and should I just stick to brewing some beer instead? Jon G6UWK

Jon,

There are mobile antennas that are basically like that. There is no reason that you shouldn't experiment.

I don't know if 1/4" tape would give you enough room however. I would start out with wire first and adjust it until you approach the proper winding configuration.

Ken

20671. Re: [ham-antennas] just an idea

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 20:43:38 UTC
From: Larry Tooley
Topic: 20666 Message: 20671

Great idea! The helix will give you the lower bands with the fishing pole sticking out for good radiation. Use two to make a dipole.
----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 17, 2011 2:24 PM
Subject: Re: [ham-antennas] just an idea

On Nov 17, 2011, at 12:51 PM, jo barden wrote:

> Hi All Being pretty skint but still wanting to do stuff I am considering getting a 3.9m fishing pole (ebay about £6.00 including del) and using self adhesive 1/4" copper tape helically wound on it so as to be a quarter wave for 20m, I was going to solder jumper wires across each section so it can be dismantled and having 4 quarter wavelength radials and put on stake for beach use. So has anybody done similar? What have I forgotten and should I just stick to brewing some beer instead? Jon G6UWK

Jon,

There are mobile antennas that are basically like that. There is no reason that you shouldn't experiment.

I don't know if 1/4" tape would give you enough room however. I would start out with wire first and adjust it until you approach the proper winding configuration.

Ken

[Non-text portions of this message have been removed]

20672. Re: [ham-antennas] just an idea

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 20:49:01 UTC
From: Brian Williams
Topic: 20666 Message: 20672

I am for the brewing the beer. lol

"Sometimes I think the surest sign that intelligent life exists elsewhere in the universe is that none of it has tried to contact us." Bill Watterson

[Non-text portions of this message have been removed]

20673. Re: [ham-antennas] just an idea

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-17 21:29:44 UTC
From: Ron Youvan
Topic: 20666 Message: 20673

John G6UWK Barden wrote:

> Hi All Being pretty skint but still wanting to do stuff I am considering getting a 3.9m fishing pole
> (ebay about ?6.00 including del) and using self adhesive 1/4" copper tape helically wound on it so
> as to be a quarter wave for 20m, I was going to solder jumper wires across each section so it can be
> dismantled and having 4 quarter wavelength radials and put on stake for beach use. So has anybody
> done similar? What have I forgotten and should I just stick to brewing some beer instead?
Jon G6UWK

That would be a narrower bandwidth antenna than a fishing pole the correct length for a 20 meter
1/4 wl with a straight wire taped along it's length. (or copper foil)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20674. RE: [ham-antennas] Re: Suggested Apex height for Alpha-Delta DX-cc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-18 15:28:35 UTC
From: robert duckworth
Topic: 20663 Message: 20674

I have a question will a sloper work better for dx than a dipole Robert

> To: ham-antennas@yahoogroups.com
> From: tyrrell@...
> Date: Thu, 17 Nov 2011 15:04:24 +0000
> Subject: [ham-antennas] Re: Suggested Apex height for Alpha-Delta DX-cc
>
> We test the Model DX-CC at an apex height of 35 ft. as an inverted-V. Flat top configuration works well too. For longer distant DX performance higher is better but we have many reports of 100+ country DXCC results with the antenna at 35 ft. Depends on the band in use. 40-50 ft. works quite well.
>
> Don, W8AD, Alpha Delta
>
> --- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:
> >
> > I have a alpha-delta DX-cc 80-10 fan dipole. Can anyone tell me what is the minimum height that the dipole apex should be?
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20675. Re: [ham-antennas] Re: Suggested Apex height for Alpha-Delta DX-cc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-18 15:46:56 UTC
From: Robert Costa, KB6QXM
Topic: 20675 Message: 20675

Hello,

My research is basically that the lower the dipole apex is below 1/2 wavelength, the higher the radiation angle. So the compromise is between local QSOs and working DX.

I have a vertical that I will use for DX until I eventually get my huge yagis in the air, until then it will be a dipole and a vertical. I had to drop the apex from 60 feet to about 40 feet to get it into the open. The.SWR matches the advertised SWR, except that 80 meters is only 25 khz versus the advertised 65 khz.

Does it work.....yes....is it optimum....don't know.

----- Reply message -----
From: "robert duckworth" <ke4dyg@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: Suggested Apex height for Alpha-Delta DX-cc
Date: Fri, Nov 18, 2011 7:28 am
I have a question will a sloper work better for dx than a dipole Robert

> To: ham-antennas@yahoogroups.com

> From: tyrrell@...

> Date: Thu, 17 Nov 2011 15:04:24 +0000

> Subject: [ham-antennas] Re: Suggested Apex height for Alpha-Delta DX-cc

>

> We test the Model DX-CC at an apex height of 35 ft. as an inverted-V. Flat top configuration works well too. For longer distant DX performance higher is better but we have many reports of 100+ country DXCC results with the antenna at 35 ft. Depends on the band in use. 40-50 ft. works quite well.

>

> Don, W8AD, Alpha Delta

>

> --- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:

> >

> > I have a alpha-delta DX-cc 80-10 fan dipole. Can anyone tell me what is the minimum height that the dipole apex should be?

> >

> >

> >

> >

> >

> > [Non-text portions of this message have been removed]

> >

>

>

>

>

> ------------------------------------

>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20676. AW: [ham-antennas] Running a CushCraft R7000 through an Autotuner?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-18 15:56:52 UTC
From: Siegfried Jackstien
Topic: 20668 Message: 20676

What is "close" ??? 1:2 or 1:3 or what ???
Your tuner will give the rig a good load but that does not say anything
about tranmitted power!!
The swr between tuner and antenna should be low or you will have additional
losses ...
If connection is SHORT (pigtail as you wrote) then your losses will be low
and everything is fine
Dg9bfc
Sigi
Years ago I used the fc1000 (almost the same thing as the ah4) in my car
with a military whip .... worked from topband to 10m!!

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von AE6FE
> Gesendet: Donnerstag, 17. November 2011 18:38
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Running a CushCraft R7000 through an Autotuner?
>
>
>
> Greetings all:
>
> I have a refurbished Cushcraft R7000. I envision making a coax "pigtail"
> and connecting the R7000 thourgh my autotuner (ICOM AH4. In theory, the
> R7000 should not needs an antenna tuner, however, using an antenna
> analyser, I was able to get a close, but not acceptable match on 40m and
> 20m.
>
> Will my proposed set-up overcome this SWR issue?
>
> Guy
> AE6FE
>
>
>
>

20677. AW: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-18 16:02:57 UTC
From: Siegfried Jackstien
Topic: 20584 Message: 20677

Grrr bullsh.... ... they are REALLY cheap butr no shipping to germany :-(
I would buy an overseas container of them for such a low price :-)
Dg9bfc
Sigi
Ps 45 feet is exactly what I need for the 80 vertical beam antenna !!!

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von kj4fgi
> Gesendet: Donnerstag, 17. November 2011 19:09
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Vertical traps
>
>
>
>
> Just to give you an idea, I have already bought these, make sure you want
> the ones that are Collared (for strength)
>
> http://www.ebay.com/itm/12-Military-Fibreglass-Mast-Support-Poles-Ham-
> Radio-48-/160530378014?pt=LH_DefaultDomain_0&hash=item25605b2d1e
>
> http://www.ebay.com/itm/12-Military-Fiberglass-Mast-Poles-Great-for-
> Antenna-WOW-/110777782289?pt=LH_DefaultDomain_0&hash=item19caded011
>
> Eddie KJ4FGI
>
> --- In ham-antennas@...m <mailto:ham-
> antennas%40yahoogroups.com> , "Siegfried Jackstien"
> <siegfried.jackstien@...> wrote:
> >
> > I know these poles
> > Sometimes can even be found here on hamfests so ...
> > Just wanted to light up your head what could also be done with them :-)
> > Greetz
> > Sigi
> > Ps you got mail :-)
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > > Auftrag von James
> > > Gesendet: Donnerstag, 17. November 2011 16:37
> > > An: ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com>
> > > Betreff: [ham-antennas] Re: Vertical traps
> > >
> > >
> > >
> > > Hi Sigi...
> > >
> > > The fiberglass sectional poles have been available in the US for the
> last
> > > 10 or 15 years as military surplus. They were originally designed to
> hold
> > > up very large tents and come in a couple of different styles.
> Typically
> > > with a bag of 10, you can reach 40ft, but it needs to be guyed. A
> couple
> > > of web sites sell them, buy many are available on ebay in the US. The
> > > poles also available in high strength aluminum
> > >
> > > Do a quick search on ebay... "mast", in the "Ham radio and CB"
> category
> > > and you'll see all the things that pop up. These things are over 40mm
> in
> > > diameter and quite strong. The shipping adds more to cost ... unless
> you
> > > can find a dealer at a swapfest.
> > >
> > > Mine came in a carrying bag, and looked unused. Since US forces are
> > > withdrawing from desert areas, I expect the availability of these
> poles to
> > > dwindle over the next couple of years.
> > >
> > > Jim, K9JFK
> > >
> > > --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-
> > > antennas%40yahoogroups.com> , "Siegfried Jackstien"
> > > <siegfried.jackstien@> wrote:
> > > >
> > > > 10 fibre-glass tent poles??? I have plans for a nice 80m vertical
> beam
> > > > antenna
> > > > Works as good as a 4-square but needs only one (non-metallic!) pole
> > > > No phasing-lines needed (cause parasitic elements are used) so
> easier to
> > > > feed
> > > > Dg9bfc
> > > > Sigi
> > >
> > >
> > >

> > >
> >
>
>
>
>

20678. Re: AW: [ham-antennas] Running a CushCraft R7000 through an Autotuner?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-18 16:27:27 UTC
From: WA8JXM
Topic: 20668 Message: 20678

On Nov 18, 2011, at 10:56 AM, Siegfried Jackstien wrote:

> What is "close" ??? 1:2 or 1:3 or what ???
> Your tuner will give the rig a good load but that does not say anything
> about tranmitted power!!
> The swr between tuner and antenna should be low or you will have additional
> losses ...

With modern rigs, they need a good match unless they have a tuner in them.

OTOH, sometimes we get too concerned about feedline losses due to SWR. I have successfully used a 20m inv vee (coax fed) on 30 and 40m. Or a 40m inverted vee on 30m. I don't even want to think about what the SWR is, but it does work. I even worked VK land with it.

If you are really concerned about feedline losses, use open wire :-)

(Ladder line is NOT open wire.)

No I'm not saying ignore the effect of feedline losses, but they are not the end of the world. Oh, BTW, most of my coax is 20-40 years old, some older. Yeah, I plan to replace it eventually.....

Ken

20679. Fwd: Re: [ham-antennas] Re: Suggested Apex heigh t for Alpha-Delta DX-cc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-18 16:31:51 UTC
From: Robert Costa, KB6QXM
Topic: 20679 Message: 20679

----- Forwarded message -----
From: "Robert Costa, KB6QXM" <kb6qxm@...>
To: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] Re: Suggested Apex height for Alpha-Delta DX-cc
Date: Fri, Nov 18, 2011 7:46 am

Hello,

My research is basically that the lower the dipole apex is below 1/2 wavelength, the higher the radiation angle. So the compromise is between local QSOs and working DX.

I have a vertical that I will use for DX until I eventually get my huge yagis in the air, until then it will be a dipole and a vertical. I had to drop the apex from 60 feet to about 40 feet to get it into the open. The.SWR matches the advertised SWR, except that 80 meters is only 25 khz versus the advertised 65 khz.

Does it work.....yes....is it optimum....don't know.

----- Reply message -----
From: "robert duckworth" <ke4dyg@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: Suggested Apex height for Alpha-Delta DX-cc
Date: Fri, Nov 18, 2011 7:28 am

I have a question will a sloper work better for dx than a dipole Robert

> To: ham-antennas@yahoogroups.com

> From: tyrrell@...

> Date: Thu, 17 Nov 2011 15:04:24 +0000

> Subject: [ham-antennas] Re: Suggested Apex height for Alpha-Delta DX-cc

>

> We test the Model DX-CC at an apex height of 35 ft. as an inverted-V. Flat top configuration works well too. For longer distant DX performance higher is better but we have many reports of 100+ country DXCC results with the antenna at 35 ft. Depends on the band in use. 40-50 ft. works quite well.

>

> Don, W8AD, Alpha Delta

>

> --- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:

> >

> > I have a alpha-delta DX-cc 80-10 fan dipole. Can anyone tell me what is the minimum height that the dipole apex should be?

> >

> >

> >

> >

> >

> > [Non-text portions of this message have been removed]

> >

>

>

>

>

> ------------------------------------

>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20680. RE: AW: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-18 17:47:08 UTC
From: jo barden
Topic: 20584 Message: 20680

You and me both Sigi!!

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: siegfried.jackstien@...
Date: Fri, 18 Nov 2011 16:02:57 +0000
Subject: AW: [ham-antennas] Re: Vertical traps

Grrr bullsh.... ... they are REALLY cheap butr no shipping to germany :-(

I would buy an overseas container of them for such a low price :-)

Dg9bfc

Sigi

Ps 45 feet is exactly what I need for the 80 vertical beam antenna !!!

> -----Urspr?ngliche Nachricht-----

> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im

> Auftrag von kj4fgi

> Gesendet: Donnerstag, 17. November 2011 19:09

> An: ham-antennas@yahoogroups.com

> Betreff: [ham-antennas] Re: Vertical traps

>

>

>

>

> Just to give you an idea, I have already bought these, make sure you want

> the ones that are Collared (for strength)

>

> http://www.ebay.com/itm/12-Military-Fibreglass-Mast-Support-Poles-Ham-

> Radio-48-/160530378014?pt=LH_DefaultDomain_0&hash=item25605b2d1e

>

> http://www.ebay.com/itm/12-Military-Fiberglass-Mast-Poles-Great-for-

> Antenna-WOW-/110777782289?pt=LH_DefaultDomain_0&hash=item19caded011

>

> Eddie KJ4FGI

>

> --- In ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com> , "Siegfried Jackstien"

> <siegfried.jackstien@...> wrote:

> >

> > I know these poles

> > Sometimes can even be found here on hamfests so ...

> > Just wanted to light up your head what could also be done with them :-)

> > Greetz

> > Sigi

> > Ps you got mail :-)

> >

> > > -----Urspr?ngliche Nachricht-----

> > > Von: ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com

> <mailto:ham-antennas%40yahoogroups.com>] Im

> > > Auftrag von James

> > > Gesendet: Donnerstag, 17. November 2011 16:37

> > > An: ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com>

> > > Betreff: [ham-antennas] Re: Vertical traps

> > >

> > >

> > >

> > > Hi Sigi...

> > >

> > > The fiberglass sectional poles have been available in the US for the

> last

> > > 10 or 15 years as military surplus. They were originally designed to

> hold

> > > up very large tents and come in a couple of different styles.

> Typically

> > > with a bag of 10, you can reach 40ft, but it needs to be guyed. A

> couple

> > > of web sites sell them, buy many are available on ebay in the US. The

> > > poles also available in high strength aluminum

> > >

> > > Do a quick search on ebay... "mast", in the "Ham radio and CB"

> category

> > > and you'll see all the things that pop up. These things are over 40mm

> in

> > > diameter and quite strong. The shipping adds more to cost ... unless

> you

> > > can find a dealer at a swapfest.

> > >

> > > Mine came in a carrying bag, and looked unused. Since US forces are

> > > withdrawing from desert areas, I expect the availability of these

> poles to

> > > dwindle over the next couple of years.

> > >

> > > Jim, K9JFK

> > >

> > > --- In ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com> <mailto:ham-

> > > antennas%40yahoogroups.com> , "Siegfried Jackstien"

> > > <siegfried.jackstien@> wrote:

> > > >

> > > > 10 fibre-glass tent poles??? I have plans for a nice 80m vertical

> beam

> > > > antenna

> > > > Works as good as a 4-square but needs only one (non-metallic!) pole

> > > > No phasing-lines needed (cause parasitic elements are used) so

> easier to

> > > > feed

> > > > Dg9bfc

> > > > Sigi

> > >

> > >

> > >

> > >

> >

>

>

>

[Non-text portions of this message have been removed]

20681. To group admin

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-18 17:56:17 UTC
From: Robert Costa, KB6QXM
Topic: 20681 Message: 20681

Whomever moderates this group. Can you let me know if some of my replies are going into your spam folder.

I have been told that if I reply to a thread my phone puts control characters into the subject line which in turn causes the mail to go into the spam folder.

I sent emails earlier today and did not see my emails in my inbox.

Look forward to the reply.

73

[Non-text portions of this message have been removed]

20682. AW: AW: [ham-antennas] Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-18 18:14:37 UTC
From: Siegfried Jackstien
Topic: 20584 Message: 20682

Ok lets put all our money together and buy a container full of that stuff
Then I will buy a spool of wire (or two) and build many of that beams :-)
Sure for a low price there will be many hams wanting one (or building
instructions) ...
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jo barden
> Gesendet: Freitag, 18. November 2011 17:47
> An: ham-antennas@yahoogroups.com
> Betreff: RE: AW: [ham-antennas] Re: Vertical traps
>
>
> You and me both Sigi!!
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: siegfried.jackstien@...
> Date: Fri, 18 Nov 2011 16:02:57 +0000
> Subject: AW: [ham-antennas] Re: Vertical traps
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
> Grrr bullsh.... ... they are REALLY cheap butr no shipping to
> germany :-(
>
> I would buy an overseas container of them for such a low price :-)
>
> Dg9bfc
>
> Sigi
>
> Ps 45 feet is exactly what I need for the 80 vertical beam antenna !!!
>
>
>
> > -----Ursprüngliche Nachricht-----
>
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
>
> > Auftrag von kj4fgi
>
> > Gesendet: Donnerstag, 17. November 2011 19:09
>
> > An: ham-antennas@yahoogroups.com
>
> > Betreff: [ham-antennas] Re: Vertical traps
>
> >
>
> >
>
> >
>
> >
>
> > Just to give you an idea, I have already bought these, make sure you
> want
>
> > the ones that are Collared (for strength)
>
> >
>
> > http://www.ebay.com/itm/12-Military-Fibreglass-Mast-Support-Poles-Ham-

>
> > Radio-48-/160530378014?pt=LH_DefaultDomain_0&hash=item25605b2d1e
>
> >
>
> > http://www.ebay.com/itm/12-Military-Fiberglass-Mast-Poles-Great-for-
>
> > Antenna-WOW-/110777782289?pt=LH_DefaultDomain_0&hash=item19caded011
>
> >
>
> > Eddie KJ4FGI
>
> >
>
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
>
> > antennas%40yahoogroups.com> , "Siegfried Jackstien"
>
> > <siegfried.jackstien@...> wrote:
>
> > >
>
> > > I know these poles
>
> > > Sometimes can even be found here on hamfests so ...
>
> > > Just wanted to light up your head what could also be done with them :-
>)
>
> > > Greetz
>
> > > Sigi
>
> > > Ps you got mail :-)
>
> > >
>
> > > > -----Ursprüngliche Nachricht-----
>
> > > > Von: ham-antennas@yahoogroups.com <mailto:ham-
>
> > antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
>
> > <mailto:ham-antennas%40yahoogroups.com>] Im
>
> > > > Auftrag von James
>
> > > > Gesendet: Donnerstag, 17. November 2011 16:37
>

> > > > An: ham-antennas@yahoogroups.com <mailto:ham-
>
> > antennas%40yahoogroups.com>
>
> > > > Betreff: [ham-antennas] Re: Vertical traps
>
> > > > >
>
> > > > >
>
> > > > >
>
> > > > > Hi Sigi...
>
> > > > >
>
> > > > > The fiberglass sectional poles have been available in the US for the
>
> > last
>
> > > > > 10 or 15 years as military surplus. They were originally designed to
>
> > hold
>
> > > > > up very large tents and come in a couple of different styles.
>
> > Typically
>
> > > > > with a bag of 10, you can reach 40ft, but it needs to be guyed. A
>
> > couple
>
> > > > > of web sites sell them, buy many are available on ebay in the US.
> The
>
> > > > > poles also available in high strength aluminum
>
> > > > >
>
> > > > > Do a quick search on ebay... "mast", in the "Ham radio and CB"
>
> > category
>
> > > > > and you'll see all the things that pop up. These things are over
> 40mm
>
> > in
>
> > > > > diameter and quite strong. The shipping adds more to cost ... unless
>

> > you
>
> > > > can find a dealer at a swapfest.
>
> > > >
>
> > > > Mine came in a carrying bag, and looked unused. Since US forces are
>
> > > > withdrawing from desert areas, I expect the availability of these
>
> > poles to
>
> > > > dwindle over the next couple of years.
>
> > > >
>
> > > > Jim, K9JFK
>
> > > >
>
> > > > --- In ham-antennas@yahoogroups.com <mailto:ham-
>
> > antennas%40yahoogroups.com> <mailto:ham-
>
> > > > antennas%40yahoogroups.com> , "Siegfried Jackstien"
>
> > > > <siegfried.jackstien@> wrote:
>
> > > > >
>
> > > > > 10 fibre-glass tent poles??? I have plans for a nice 80m vertical
>
> > beam
>
> > > > > antenna
>
> > > > > Works as good as a 4-square but needs only one (non-metallic!)
> pole
>
> > > > > No phasing-lines needed (cause parasitic elements are used) so
>
> > easier to
>
> > > > > feed
>
> > > > > Dg9bfc
>
> > > > > Sigi
>
> > > >

>
> > > >
>
> > > >
>
> > > >
>
> > >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

>
>

20683. Flagpole to go 28 footer

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-19 01:31:29 UTC
From: tivoligardens@yahoo.com
Topic: 20683 Message: 20683

Does anyone use this as a traveling mast.. ? Do you have any info you can share on best practices since I just got one for $50 ?

Thanks
hal w4hal

20684. Re: [ham-antennas] To group admin

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-19 04:57:47 UTC
From: van wd8aam
Topic: 20681 Message: 20684

No, I've gotten 4 messages from you in this group since
you've joined a couple days ago.
Van Lincoln
moderator

At 17:56 11/18/2011, you wrote:
>Whomever moderates this group. Can you let me know if some of my
>replies are going into your spam folder.
>I have been told that if I reply to a thread my phone puts control
>characters into the subject line which in turn causes the mail to go
>into the spam folder.
>I sent emails earlier today and did not see my emails in my inbox.
>Look forward to the reply.
>73

20685. Flagpole antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-19 12:34:13 UTC
From: GLORIA W
Topic: 20685 Message: 20685

I live in a deed restricted community but we are allowed to have flag poles. I need ideas. Thank you

Gloria KK4DXM

20686. Re: Flagpole antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-19 12:45:23 UTC
From: Mark M
Topic: 20685 Message: 20686

I am fairly new to this so take it with a grain of salt. A guy in my local ham club was telling me about an end-fed dipole that he inserted inside a very small diameter piece of pvc pipe that he ran up the trunk of a tree. I would imagine the same thing could be done with a flagpole.

[Non-text portions of this message have been removed]

20687. Re: [ham-antennas] Flagpole antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-19 12:55:07 UTC
From: Martin A Flynn
Topic: 20685 Message: 20687

We used a Gates fiberglass flagpole to hide a vertical a while back.
the radiator is silver soldered 1/2 copper pipe. It's held centered
with low expansion foam. The HOA allowed floodlights for a flag, so
that was used as the premise to run the conduit for the feedline and
power for the ATU.

The ATU and driven grounds are hidden in a water meter box at the base.
Link to an example:
http://www.armoraccessboxes.com/products/product-details.asp?prodID=4&catID=2&pab=1_2&subID=46

On 11/19/2011 7:34 AM, GLORIA W wrote:
>
> I live in a deed restricted community but we are allowed to have flag
> poles. I need ideas. Thank you
>
> Gloria KK4DXM
>

[Non-text portions of this message have been removed]

20688. Re: [ham-antennas] Flagpole antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-19 13:08:35 UTC
From: David Kaplan
Topic: 20685 Message: 20688

Gloria,

I have a Flagpole made of PVC with a Trapped Hustler 6BTV inside .. see
link and attached

http://www.dxengineering.com/pdf/flagpole_antenna.pdf

Force 12 Flagpole Antenna

http://www.texasantennas.com/index.php?option=com_content&view=article&id=113&Itemid=62

Geoff Haines, N1GY had an article in QST where he used aluminum tube - like
a standard flagpole and just used a piece of PVC at the base as an
insulator (see attached pictures)

Some Articles on the legal side

http://www.ushistory.org/betsy/more/hr42.htm

http://www.eham.net/articles/21041

**
**
*Thank you,

David A. Kaplan, KJ6GLX

Internet Email: dkaplan2005@gmail.com <kdkaplan2005@...>*
*Web Site: **http://www.qsl.net/kj6glx/* <http://www.qsl.net/kj6glx/>

*No trees were killed in the sending of this message, but a large number of
electrons were terribly inconvenienced*

On Sat, Nov 19, 2011 at 4:34 AM, GLORIA W <GloriaW4@...> wrote:

> **
>
>
> I live in a deed restricted community but we are allowed to have flag
> poles. I need ideas. Thank you
>
> Gloria KK4DXM
>
>
>

[Non-text portions of this message have been removed]

20689. Re: Vertical traps

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-19 18:31:15 UTC
From: James
Topic: 20584 Message: 20689

Hi Sigi..

The link is to a company that buys and sells the military surplus masts. They might be able to do things others can't.

Does the US military still have any units based in Europe? If they do, give them a call and see if they sell off any of their surpluses, and when... you just never know. Might be sold out of a central location somewhere... you wouldn't think they would ship it back to the states... but it is the government, so you just never know!

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...>
wrote:
>
> Grrr bullsh.... ... they are REALLY cheap butr no shipping to germany :-(
> I would buy an overseas container of them for such a low price :-)
> Dg9bfc
> Sigi
> Ps 45 feet is exactly what I need for the 80 vertical beam antenna !!!
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von kj4fgi
> > Gesendet: Donnerstag, 17. November 2011 19:09
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Re: Vertical traps
> >
> >
> >
> >
> > Just to give you an idea, I have already bought these, make sure you want
> > the ones that are Collared (for strength)
> >
> > http://www.ebay.com/itm/12-Military-Fibreglass-Mast-Support-Poles-Ham-
> > Radio-48-/160530378014?pt=LH_DefaultDomain_0&hash=item25605b2d1e
> >
> > http://www.ebay.com/itm/12-Military-Fiberglass-Mast-Poles-Great-for-
> > Antenna-WOW-/110777782289?pt=LH_DefaultDomain_0&hash=item19caded011
> >
> > Eddie KJ4FGI
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> , "Siegfried Jackstien"
> > <siegfried.jackstien@> wrote:
> > >

> > > I know these poles
> > > Sometimes can even be found here on hamfests so ...
> > > Just wanted to light up your head what could also be done with them :-)
> > > Greetz
> > > Sigi
> > > Ps you got mail :-)
> > >
> > > > -----Ursprüngliche Nachricht-----
> > > > Von: ham-antennas@yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> [mailto:ham-antennas@...m
> > <mailto:ham-antennas%40yahoogroups.com>] Im
> > > > Auftrag von James
> > > > Gesendet: Donnerstag, 17. November 2011 16:37
> > > > An: ham-antennas@yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com>
> > > > Betreff: [ham-antennas] Re: Vertical traps
> > > >
> > > >
> > > >
> > > > Hi Sigi...
> > > >
> > > > The fiberglass sectional poles have been available in the US for the
> > last
> > > > 10 or 15 years as military surplus. They were originally designed to
> > hold
> > > > up very large tents and come in a couple of different styles.
> > Typically
> > > > with a bag of 10, you can reach 40ft, but it needs to be guyed. A
> > couple
> > > > of web sites sell them, buy many are available on ebay in the US. The
> > > > poles also available in high strength aluminum
> > > >
> > > > Do a quick search on ebay... "mast", in the "Ham radio and CB"
> > category
> > > > and you'll see all the things that pop up. These things are over 40mm
> > in
> > > > diameter and quite strong. The shipping adds more to cost ... unless
> > you
> > > > can find a dealer at a swapfest.
> > > >
> > > > Mine came in a carrying bag, and looked unused. Since US forces are
> > > > withdrawing from desert areas, I expect the availability of these
> > poles to
> > > > dwindle over the next couple of years.
> > > >
> > > > Jim, K9JFK
> > > >
> > > > --- In ham-antennas@yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> <mailto:ham-
> > > > antennas%40yahoogroups.com> , "Siegfried Jackstien"

> > > > <siegfried.jackstien@> wrote:
> > > > >
> > > > > 10 fibre-glass tent poles??? I have plans for a nice 80m vertical
> > beam
> > > > > > antenna
> > > > > > Works as good as a 4-square but needs only one (non-metallic!) pole
> > > > > > No phasing-lines needed (cause parasitic elements are used) so
> > easier to
> > > > > > feed
> > > > > > Dg9bfc
> > > > > > Sigi
> > > > >
> > > > >
> > > > >
> > > > >
> > > >
> > >
> > >
> > >
> > >
>

20690. Re: Flagpole antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-19 20:29:58 UTC
From: James
Topic: 20685 Message: 20690

Hi Gloria...

The Hustler 6BTV is an ideal antenna for using inside a flagpole. If you can make the flagpole a little "fancier" and install "halyards" up to a crossbar at the top, then 12 and 17m can be added for the cost of some wire cored rope. Personally, I'm not a big fan of 12m, but I find 17m is a blast.

www.dxengineering.com/pdf/flagpole_antenna.pdf

http://www.dxengineering.com/Parts.asp?ID=3435&PLID=141&SecID=63&DeptID=22&PartNo=HUS-6BTV

http://www.sgcworld.com/20ftflagpoleinstall.html

www.oh1sa.net/data/antenna/Hustler/K7CIE_Hustler_doc.pdf

The last article shows that some installations require "extra effort".
I've also found that if the spoked hat above the 20m trap is removed, the 40m section can be lengthened an additional 30 inches or so, but that only effects the 4 and 5BTV... the 6BTV has a 30m trap and does not use the spoked hat.

The remote tuner installed at the pole base is also a good idea, but I don't think it will work any better than the trapped Hustler vertical.

Any vertical will only be as good as the radial system or ground screen beneath it, so you generally have to make some excuse as why your "maintaining" your lawn during installation. Most likely your available area is fairly small, but try and put in 18 or 24 radials at least as long as your antenna is high. If the area is bigger, go to 33ft for the radial length... that would be a quarter wavelength on 40m. Just an aside note.. all my radials are returned to the antenna mounting pipe via solder lugs and a large through bolt, three wires to a lug. Works fine, doesn't occupy much space.

On another note, my experience with the Hustler xBTV series is that they are built like tanks and will last a very long time. Mine was purchase used and already 20 years old when installed; new rain covers for the traps were purchased from Newtronics at reasonable cost. Because of their longevity, many can be purchased on the used market at reasonable cost. If purchased new, DX Engineering has decent prices and good service.

Good luck, and have some fun today....

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "GLORIA W" <GloriaW4@...> wrote:
>
> I live in a deed restricted community but we are allowed to have flag poles. I need ideas. Thank you
>
> Gloria KK4DXM
>

20691. RE: [ham-antennas] Re: Flagpole antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-19 20:56:35 UTC
From: Richard Schmuke
Topic: 20685 Message: 20691

Gloria, many of the antenna that have been noted have a capacitor hat, or little wires sticking out at the top. May I recommend a Mosley vertical, it is slim and no top wires.

http://www.mosley-electronics.com/pages/series/rv.htm

They are well made and I have had one a little over 30 years with no problem. They would fit in the PVC providing a good cover.

Rich, Kd0zz

Image removed by sender.

<http://groups.yahoo.com/;_ylc=X3oDMTJlaDVoOGhrBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyMTczNDYwMw--> Image removed by sender. Yahoo! Groups

Switch to:
<mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional> Text-Only,
<mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest> Daily Digest .
<mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe . <http://docs.yahoo.com/info/terms/> Terms of Use

.

Image removed by sender.

[Non-text portions of this message have been removed]

20692. CR8900A Antenna Phase Coil Repir

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 06:58:34 UTC
From: SC
Topic: 20692 Message: 20692

Hi, I have a CR8900A and some Black Shrink Covering the Upper Phase Coils has some small tears and you can just barely see the coils. I was thinking of using some Butyl and Electrical tape that I have form TESSCO I have good SWR's and don't want to Wreck them with the repair any help would be greatly appreciated

Thanks

Shon KJ6FNN

20693. 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 08:23:38 UTC
From: s3hampton
Topic: 20693 Message: 20693

Good day; This is my first posting to this group.

I just finished erecting a new loop antenna. It is about 1000 feet long, and is averaging 35 feet above the ground. It is in an open field, and is at least 60 feet from any trees on one side.

I have two other loop antennas, both being 1 WL on 160 meters. Both of these 1 WL loop antennas are fed with shorter lengths (50 and 80 feet?) of 450 Ohm window line, via a high quality 4:1 current balun. These other loops work well on all bands.

On 75 meters, the old (1 WL) loops seem to work better than the new 1000 foot loop, MOST OF THE TIME. (ON the higher bands, the new 1000 foot loop has a distinct advantage, MOST OF THE TIME.

I am genuinely surprised that the new loop is not working as well (in some cases) than the old 1 WL loops!

Here are some points of interest:

New loop is about 1000 feet long.
The loop is made with #14 stranded THHN wire.
The loop antenna is five-sided.
The antenna uses a 50', a 40', and three 38' masts.
All five masts are in an OPEN FIELD.
The feed-line is now 300 Ohm window-line.
The feed-line is now 220 feet long.
The feed-line is fed by a high-quality 4:1 current balun.
The balun is fed by about 15' of RG-8 coax.

SWR vs. Frequency measurements
(SWR = n-to-one; Tuner BYPASSED.)
(Measured during a SLIGHTLY damp (light snow) period 11-19-2011.)

FREQUENCY ORIGINAL NEW 1000'
(MHZ) N. LOOP N. LOOP
1.85 5.2 1.0
3.75 1.7 1.0
3.86 1.8 2.2
3.99 2.4 3.3
14.30 1.2 1.0
14.33 1.3 1.0
18.30 1.0 1.3
21.30 1.0 2.0
24.95 3.2 2.8
28.4 1.3 1.8

I had previously fed the loop antenna with 150 feet of 300 Ohm window-line to an AH-4 ATU, which was fed with coax to make up the feed-line between the AH-4 and the radio.

I now have the proper length of 300 Ohm window line in place; The AH-4 (and RG-8) is no longer in service.

I sense no difference between the two methods of feeding the antenna. (Using a shorter run of 300 Ohm window line with the AH-4 and coax, vs. the full run of 300 Ohm line between the balun and the antenna's feed point.

THE QUESTIONS:
I now have 250 feet of 450 window line on order; It is made from #14 stranded wire.
- Will this 450 Ohm LINE work better than the 300 Ohm line?
- I need 220 feet between the balun and the feed point of the antenna: Were the 150 and 220 foot lengths of 300 Ohm line INCORRECT?
- What length of 450 Ohm line will be the best?

I mainly operate on 75, 20 and 17 meters. (3.9, 14.3 and 18.4 Mhz.) - What are the considerations?
- Will the LENGTH of the feed line make a difference?
- Will the use of 450 vs. 300 Ohm window line make a difference?

Thank you!!!
73; -Mike- KØJTA

20694. AW: [ham-antennas] 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 10:51:52 UTC
From: Siegfried Jackstien
Topic: 20693 Message: 20694

Answer or comments below in your text
Dg9bfc
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von s3hampton
> Gesendet: Sonntag, 20. November 2011 08:24
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 1000 foot loop antenna
>
>
>
> Good day; This is my first posting to this group.
>
> I just finished erecting a new loop antenna. It is about 1000 feet long,
> and is averaging 35 feet above the ground. It is in an open field, and is
> at least 60 feet from any trees on one side.
>
> I have two other loop antennas, both being 1 WL on 160 meters. Both of
> these 1 WL loop antennas are fed with shorter lengths (50 and 80 feet?) of
> 450 Ohm window line, via a high quality 4:1 current balun. These other
> loops work well on all bands.
>
> On 75 meters, the old (1 WL) loops seem to work better than the new 1000
> foot loop, MOST OF THE TIME. (ON the higher bands, the new 1000 foot loop
> has a distinct advantage, MOST OF THE TIME.

>>>> the new bigger loop works better on longer distances while the smaller
loop works better for locals ... correct??
Normal thing ... a 1wl loop fires straight up
Make a 2wl (or 4 wk) loop and you have a "hole" upwards
Good for dx but bad for short skip (nvis)

> I am genuinely surprised that the new loop is not working as well (in some
> cases) than the old 1 WL loops!
>
> Here are some points of interest:
>
> New loop is about 1000 feet long.
> The loop is made with #14 stranded THHN wire.
> The loop antenna is five-sided.
> The antenna uses a 50', a 40', and three 38' masts.
> All five masts are in an OPEN FIELD.
> The feed-line is now 300 Ohm window-line.
> The feed-line is now 220 feet long.

> The feed-line is fed by a high-quality 4:1 current balun.
> The balun is fed by about 15' of RG-8 coax.
>
> SWR vs. Frequency measurements
> (SWR = n-to-one; Tuner BYPASSED.)
> (Measured during a SLIGHTLY damp (light snow) period 11-19-2011.)
>
> FREQUENCY ORIGINAL NEW 1000'
> (MHZ) N. LOOP N. LOOP
> 1.85 5.2 1.0
> 3.75 1.7 1.0
> 3.86 1.8 2.2
> 3.99 2.4 3.3
> 14.30 1.2 1.0
> 14.33 1.3 1.0
> 18.30 1.0 1.3
> 21.30 1.0 2.0
> 24.95 3.2 2.8
> 28.4 1.3 1.8
>
> I had previously fed the loop antenna with 150 feet of 300 Ohm window-line
> to an AH-4 ATU, which was fed with coax to make up the feed-line between
> the AH-4 and the radio.
>
> I now have the proper length of 300 Ohm window line in place; The AH-4
> (and RG-8) is no longer in service.
>
> I sense no difference between the two methods of feeding the antenna.
> (Using a shorter run of 300 Ohm window line with the AH-4 and coax, vs.
> the full run of 300 Ohm line between the balun and the antenna's feed
> point.
>
> THE QUESTIONS:
> I now have 250 feet of 450 window line on order; It is made from #14
> stranded wire.
> - Will this 450 Ohm LINE work better than the 300 Ohm line?

NO!
> - I need 220 feet between the balun and the feed point of the antenna:
> Were the 150 and 220 foot lengths of 300 Ohm line INCORRECT?

>>>>> On every different band you have different impedance at the
feeding-point ... and that is transformed with the feeding-line to a
different value at the other end ... so you have to make some tests, make
notes of that, change length of feeding-line, make another test on all bands
... ...
After first test you see if one of your bands has high swr (and the other
bands swr is low) ... then add (or shorten) the feedingline ...
And note the changes on all bands ... and so on ... till you find your
"sweet spot" :-)

> - What length of 450 Ohm line will be the best?

>>>> That length that gives you lowest swr on your favourite bands
On my loop I made the loop a bit bigger and the feedingline a bit shorter
(as I had it on first setup)
That didn□t change much on the lower bands but that helped to get the swr
down on 17 and 30m (may be different on your big loop)
For a real multiband setup it is a lot of cutntry
But it is worth doing it (every decibel counts at the end)

>
> I mainly operate on 75, 20 and 17 meters. (3.9, 14.3 and 18.4 Mhz.) - What
> are the considerations?
> - Will the LENGTH of the feed line make a difference?

Not on performance of the loop itself but on feeding-point swr and balun
losses

>>>> Balanced line has such a low loss that you will never notice any
difference if using 300 ohms or 450 ohms or window line or real ladderline
(with open spreaders)
> - Will the use of 450 vs. 300 Ohm window line make a difference?
>>>> see above ... only measureable differences
Greetz
Dg9bfc
Sigi

20695. AW: [ham-antennas] CR8900A Antenna Phase Coil Repir

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 11:16:14 UTC
From: Siegfried Jackstien
Topic: 20692 Message: 20695

Should be possible to cut away the band insulation shrink cover and put a
new heat shrinking tube on it ... yes electrical tape can be used ... but
that will not last very long

Dg9bfc
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m] Im
> Auftrag von SC
> Gesendet: Sonntag, 20. November 2011 06:59
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] CR8900A Antenna Phase Coil Repir
>
>
>
> Hi, I have a CR8900A and some Black Shrink Covering the Upper Phase Coils
> has some small tears and you can just barely see the coils. I was thinking
> of using some Butyl and Electrical tape that I have form TESSCO I have
> good SWR's and don't want to Wreck them with the repair any help would be
> greatly appreciated
>
> Thanks
>
> Shon KJ6FNN
>
>
>
>

20696. RE: [ham-antennas] CR8900A Antenna Phase Coil Repir

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 15:30:55 UTC
From: Jeff Clagg
Topic: 20692 Message: 20696

Maybe 3M Scotchkote ,just brush it on? Jeff AE7NV

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Siegfried Jackstien
Sent: Sunday, November 20, 2011 3:16 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] CR8900A Antenna Phase Coil Repir

Should be possible to cut away the band insulation shrink cover and put a new heat shrinking tube on it ... yes electrical tape can be used ... but that will not last very long

Dg9bfc
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> Auftrag von SC
> Gesendet: Sonntag, 20. November 2011 06:59
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] CR8900A Antenna Phase Coil Repir
>
>
>
> Hi, I have a CR8900A and some Black Shrink Covering the Upper Phase Coils
> has some small tears and you can just barely see the coils. I was thinking
> of using some Butyl and Electrical tape that I have form TESSCO I have
> good SWR's and don't want to Wreck them with the repair any help would be
> greatly appreciated
>
> Thanks
>
> Shon KJ6FNN
>
>
>
>

[Non-text portions of this message have been removed]

20697. Re: [ham-antennas] 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 16:16:27 UTC
From: Robert Moss
Topic: 20693 Message: 20697

Mike (K0JTA),

A question and a few comments from me. What do you mean by the smaller loop "working better" on the lower bands? Is your situation about high SWR or signal strength?

I experimented with large random length loops years ago and found several things. 1) lengthening or shorting the length of balanced line and/or coax by trial and error can sometimes greatly help reduce high SWR. 2) Keep your 300/450 ohm line off the ground and away from metal objects! Proximity to such will usually introduce a very high impedance spike that makes balanced line quite lossy. 3) you may need to lengthen or shorten your loop to find a "sweet spot" that gives you reasonably low SWR at your tuner or rig. 4) the loop that got out the best for me was approximately 750' long, thrown over branches 30-45' off the ground in the woods. I could never get the SWR on a few bands lower than 4:1 but the antenna got out like gangbusters. On 160 and 80, I'm guessing it was good only for 500 miles but signal reports were strong with my 200W. On 40 and higher, it became much more effective for longer distances, although I felt that on 12 and 10 there were so many lobes coming off the loop that its directivity was unpredictable.

Consequently, I feel that your loop's performance should be not unlike what I experienced. There are times when an S-meter is a better judge of an antenna's performance than an SWR meter. Keep tinkering!

Hope this helps,

73, Bob W1RAM

On Nov 20, 2011, at 3:23 AM, s3hampton wrote:

> Good day; This is my first posting to this group.
>
> I just finished erecting a new loop antenna. It is about 1000 feet
> long, and is averaging 35 feet above the ground. It is in an open
> field, and is at least 60 feet from any trees on one side.
>
> I have two other loop antennas, both being 1 WL on 160 meters. Both
> of these 1 WL loop antennas are fed with shorter lengths (50 and 80
> feet?) of 450 Ohm window line, via a high quality 4:1 current balun.
> These other loops work well on all bands.
>
> On 75 meters, the old (1 WL) loops seem to work better than the new
> 1000 foot loop, MOST OF THE TIME. (ON the higher bands, the new 1000
> foot loop has a distinct advantage, MOST OF THE TIME.

>
> I am genuinely surprised that the new loop is not working as well
> (in some cases) than the old 1 WL loops!
>
> Here are some points of interest:
>
> New loop is about 1000 feet long.
> The loop is made with #14 stranded THHN wire.
> The loop antenna is five-sided.
> The antenna uses a 50', a 40', and three 38' masts.
> All five masts are in an OPEN FIELD.
> The feed-line is now 300 Ohm window-line.
> The feed-line is now 220 feet long.
> The feed-line is fed by a high-quality 4:1 current balun.
> The balun is fed by about 15' of RG-8 coax.
>
> SWR vs. Frequency measurements
> (SWR = n-to-one; Tuner BYPASSED.)
> (Measured during a SLIGHTLY damp (light snow) period 11-19-2011.)
>
> FREQUENCY ORIGINAL NEW 1000'
> (MHZ) N. LOOP N. LOOP
> 1.85 5.2 1.0
> 3.75 1.7 1.0
> 3.86 1.8 2.2
> 3.99 2.4 3.3
> 14.30 1.2 1.0
> 14.33 1.3 1.0
> 18.30 1.0 1.3
> 21.30 1.0 2.0
> 24.95 3.2 2.8
> 28.4 1.3 1.8
>
> I had previously fed the loop antenna with 150 feet of 300 Ohm
> window-line to an AH-4 ATU, which was fed with coax to make up the
> feed-line between the AH-4 and the radio.
>
> I now have the proper length of 300 Ohm window line in place; The
> AH-4 (and RG-8) is no longer in service.
>
> I sense no difference between the two methods of feeding the
> antenna. (Using a shorter run of 300 Ohm window line with the AH-4
> and coax, vs. the full run of 300 Ohm line between the balun and the
> antenna's feed point.
>
> THE QUESTIONS:
> I now have 250 feet of 450 window line on order; It is made from #14
> stranded wire.
> - Will this 450 Ohm LINE work better than the 300 Ohm line?
> - I need 220 feet between the balun and the feed point of the

> antenna: Were the 150 and 220 foot lengths of 300 Ohm line INCORRECT?
> - What length of 450 Ohm line will be the best?
>
> I mainly operate on 75, 20 and 17 meters. (3.9, 14.3 and 18.4 Mhz.)
> - What are the considerations?
> - Will the LENGTH of the feed line make a difference?
> - Will the use of 450 vs. 300 Ohm window line make a difference?
>
> Thank you!!!
> 73; -Mike- K?JTA
>
>

[Non-text portions of this message have been removed]

20698. Re-visiting the G5RV

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 18:59:45 UTC
From: rrath
Topic: 20698 Message: 20698

I posted here a little while ago about an NVIS antenna mounted on a metal roof. I was shot down. I was told it is too long and the city department head does not like wire antennas. So I asked the city to buy a very expensive hf beam, know they would laugh and say no. I was told to look at something smaller in size. Thus the G5RV came into play.

Here is my question:

The G5RV incorporate ladder line approx 33.7' long. Now we will be mounting it at 10' above the metal roof. I do not know antenna design very much, but I would think we will have issues with the ladder line being in close proximity with the metal roof. Can we remove the ladder line and insert a balun, unan or something in place of the ladder line?

We (city EOC) will be running an Icom 706mkllg with the Icom 180 auto tuner and about 85 watts.

I can see some of you shaking your head and laughing - what is this guy thinking?? Answer: the city wants something for nothing. If it was up to me, I would put up a 1000' loop and call it good. But I have to work with the city. They do not understand tx type antennas. I have tried to explain it and they have tunnel vision about using a small pc of wire and picking up stations all around the world. That is rx and not tx - big difference.

Any help - ideas - would be great.

Thank you.
Rod

20699. Re: [ham-antennas] Re-visiting the G5RV

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 19:22:12 UTC
From: WA8JXM
Topic: 20698 Message: 20699

Rod,

As long as the ladder line is balanced to the metal roof and not too close (e.g. 10x the width of the ladder line) it will be okay AS LONG AS IT DOESN'T MOVE AROUND IN THE WIND. Realize that the ladder line in a G5RV is part of the radiator. If it moves around a lot in relation to a large metal object, it will affect the tuning and the radiation.

Why not just put a remote tuner near the antenna feed point and a short piece of ladder line to the tuner and run a simple dipole of whatever length fits in? That way you can put the antenna where ever you can fit it. Of course, 100' or 150' would be good for 75 m and the bands above it but other lengths will work too.

A G5RV ideally depends on being up in the clear with the feedline likewise in the clear. A simple dipole with a tuner is much more adaptable.

Ken WA8JXM

On Nov 20, 2011, at 1:59 PM, rrath wrote:

> I posted here a little while ago about an NVIS
> antenna mounted on a metal roof. I was shot
> down. I was told it is too long and the city
> department head does not like wire antennas.
> So I asked the city to buy a very expensive hf
> beam, know they would laugh and say no. I
> was told to look at something smaller in size.
> Thus the G5RV came into play.
>
> Here is my question:
>
> The G5RV incorporate ladder line approx
> 33.7' long. Now we will be mounting it at 10'
> above the metal roof. I do not know antenna
> design very much, but I would think we will
> have issues with the ladder line being in close
> proximity with the metal roof. Can we remove
> the ladder line and insert a balun, unan or
> something in place of the ladder line?
>
> We (city EOC) will be running an Icom
> 706mkllg with the Icom 180 auto tuner and
> about 85 watts.
>
> I can see some of you shaking your head and
> laughing - what is this guy thinking?? Answer:
> the city wants something for nothing. If it was

> up to me, I would put up a 1000' loop and call
> it good. But I have to work with the city. They
> do not understand tx type antennas. I have
> tried to explain it and they have tunnel vision
> about using a small pc of wire and picking up
> stations all around the world. That is rx and
> not tx - big difference.
>
> Any help - ideas - would be great.
>
> Thank you.
> Rod

20700. needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 19:27:15 UTC
From: Chuck
Topic: 20700 Message: 20700

What I need help with, I need a oscillator tunable from 1 to 3 Ghz with at least 10mw output hopefully 20mw for a project I am working on. Even a design will help.

I have priced some Rf generators that can do it but they cost about 10 grand and more, If one of you have rf gen. that can do this and live in range of Vermont that too would help...

Thanks Much...

20701. Re: [ham-antennas] Re-visiting the G5RV

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 19:28:16 UTC
From: dean
Topic: 20698 Message: 20701

I would put up a 40 M dipole about 10’ off the roof. Put an “UGLY BALUN” at the top of the coax feedline. Get the wire from the city. If it doesn’t work the G5RV isn’t likely going to work either and you saved some money.

73, WY6L

Remember the engineers said a bumblebee couldn't fly and guess what, it did.

From: rrath
Sent: Sunday, November 20, 2011 10:59 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re-visiting the G5RV

I posted here a little while ago about an NVIS antenna mounted on a metal roof. I was shot down. I was told it is too long and the city department head does not like wire antennas. So I asked the city to buy a very expensive hf beam, know they would laugh and say no. I was told to look at something smaller in size. Thus the G5RV came into play.

Here is my question:

The G5RV incorporate ladder line approx 33.7' long. Now we will be mounting it at 10' above the metal roof. I do not know antenna design very much, but I would think we will have issues with the ladder line being in close proximity with the metal roof. Can we remove the ladder line and insert a balun, unan or something in place of the ladder line?

We (city EOC) will be running an Icom 706mkllg with the Icom 180 auto tuner and about 85 watts.

I can see some of you shaking your head and laughing - what is this guy thinking?? Answer: the city wants something for nothing. If it was up to me, I would put up a 1000' loop and call it good. But I have to work with the city. They do not understand tx type antennas. I have tried to explain it and they have tunnel vision about using a small pc of wire and picking up stations all around the world. That is rx and not tx - big difference.

Any help - ideas - would be great.

Thank you.
Rod

[Non-text portions of this message have been removed]

20702. Re: 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 21:02:49 UTC
From: ke4vyn
Topic: 20693 Message: 20702

I think you also should re-visit your choice of balum. I am thinking maybe 12:1 or at the least 9:1.

I have a wire up 75 feet feed with a 600 ohm ladder thru a 12:1 and have no trouble hearing or talking to anyone.
As far as testing that is about all you can do anyway.

73,
Lee
KE4VYN

--- In ham-antennas@yahoogroups.com, "s3hampton" <mike@...> wrote:
>
> Good day; This is my first posting to this group.
>
> I just finished erecting a new loop antenna. It is about 1000 feet long, and is averaging 35 feet above the ground. It is in an open field, and is at least 60 feet from any trees on one side.
>
<snip>

20703. Re: 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 21:33:37 UTC
From: s3hampton
Topic: 20693 Message: 20703

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...>
wrote:
>
> > THE QUESTIONS:
> > I now have 250 feet of 450 window line on order; It is made from #14
> > stranded wire.
> > - Will this 450 Ohm LINE work better than the 300 Ohm line?
>
> NO!

Very interesting!!!

I am now using a high quality 4:1 current balun; Is this the best choice for RF energy transfer?

- Might I be better advised to use a 1:1 with 450 Ohm line?
- Might I be better advised to use a 4:1 with 450 Ohm line?
- Might I be better advised to use a 1:1 with 300 Ohm line?
- Might I be better advised to use a 4:1 with 300 Ohm line?

> ... ...
> After first test you see if one of your bands has high swr (and the other
> bands swr is low) ... then add (or shorten) the feedingline ...
> And note the changes on all bands ... and so on ... till you find your
> "sweet spot" :-)

OK!! This seems to be logical. (And, it is an easy thing for me to understand and follow. THANK YOU!!)

>
> > - What length of 450 Ohm line will be the best?
>
> >>>> That length that gives you lowest swr on your favourite bands
> On my loop I made the loop a bit bigger and the feedingline a bit shorter
> (as I had it on first setup)
> That didn't change much on the lower bands but that helped to get the swr
> down on 17 and 30m (may be different on your big loop)
> For a real multiband setup it is a lot of cutntry
> But it is worth doing it (every decibel counts at the end)

Again, this makes perfect sense. (Thanks.)

>
> > - Will the LENGTH of the feed line make a difference?
>
> Not on performance of the loop itself but on feeding-point swr and balun
> losses

This brings up my earlier question of what would my "best choice" again:

- Use a 1:1 or 4:1 balun?

- Use 300 or 450 Ohm window line?

>
> >>>> Balanced line has such a low loss that you will never notice any
> difference if using 300 ohms or 450 ohms or window line or real ladderline
> (with open spreaders)
> > - Will the use of 450 vs. 300 Ohm window line make a difference?
> >>>> see above ... only measureable differences
> Greetz Dg9bfc Sigi
>

OK; No real difference between 300 or 450 Ohm window line as the feeder. (I am assuming that the comparison of 300 and 450 Ohm line would be that each would have the same wire size...

My point: The 300 Ohm line that I now have is made with #18 wire. The 450 Ohm line is made with #14 wire. (Heavier wire is BETTER?)

- Also, is there a logic for the Balun design choice of either 1:1 or 4:1? (I am thinking that there is a "better choice" between the two; Perhaps this is another choice/factor that would offer little real-world difference?)

Thank you VERY MUCH for your time and effort, Sigi!!
73; -Mike- KØJTA K0JTA

20704. AW: [ham-antennas] needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 21:51:06 UTC
From: Siegfried Jackstien
Topic: 20700 Message: 20704

www.eisch-electronic.com
he sells a rf generator (small signal generator) as a kitt hat has lab
quality, is tuneable from 137 megs to 4 gigs for about 300 euro
output 10dbm+/- 1.5db
...
(SIG 01)

Would that work for you?

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Chuck
> Gesendet: Sonntag, 20. November 2011 19:27
> An: ham-antennas@...m
> Betreff: [ham-antennas] needed
>
>
>
> What I need help with, I need a oscillator tunable from 1 to 3 Ghz with at
> least 10mw
> output hopefully 20mw for a project I am working on. Even a design will
> help.
>
> I have priced some Rf generators that can do it but they cost about 10
> grand and more,
> If one of you have rf gen. that can do this and live in range of Vermont
> that too would help...
>
> Thanks Much...
>
>
>
>

20705. Re: 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 21:54:54 UTC
From: s3hampton
Topic: 20693 Message: 20705

--- In ham-antennas@yahoogroups.com, Robert Moss <W1RAM@...> wrote:
>
> Mike (K0JTA),
>
> A question and a few comments from me. What do you mean by the smaller
> loop "working better" on the lower bands? Is your situation about
> high SWR or signal strength?

I have found that the larger loop offers poorer signals, both receive and transmit on 75 meters.

This is easily referenced by my ability to quickly select (1) the 1000 foot loop, (2) a 540 foot loop, or (3) a 80/40 meter dipole.

On 75 meters, the 1000 foot loop is 10 dB weaker (RX and TX modes) as compared to the 540 foot loop. (The dipole is almost always STRONGER than the 1000 foot loop, but somewhat weaker than the 540 foot loop.)

On 20 meters and higher, I believe the longer loop has the edge over either of the other two reference antennas.

In all cases, I am using a tuner; The tuner's output is routed to the 4:1 Balun via 15 feet of RG-8 coax. The 4:1 Balun feeds the 300 Ohm window line.

The feed line is LONG, as it is 220 feet!

The fact that the 1000 foot loop is (most often) 10 dB WEAKER than the dipole or the 540 foot loop is curious! (And, disappointing!) And this is why I am considering changing from 300 Ohm (#18 wire) to 450 Ohm (#14 wire as the feed line!

I now am using the same high-quality 4:1 Balun on BOTH loop antennas. (Might I be better advised to get a 1:1 Balun?)

>
> ...Consequently, I feel that your loop's performance should be not unlike
> what I experienced. There are times when an S-meter is a better judge
> of an antenna's performance than an SWR meter. Keep tinkering!
>
> Hope this helps,
>
> 73, Bob W1RAM

Absolutely a great help, Bob!! -And, yes: I do not put too much importance on the SWR indications. (The auto-tuner covers the sins of any SWR...) The S-meter HERE and at the OTHER PERSON'S STATION are the things that I place the most importance on!

I found it interesting that you had arrived at a 750 foot loop length! How did this come about? (Did you keep shortening the loop until "it worked best" on which bands?)

73! -Mike- KØJTA

20706. Re: 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 22:03:28 UTC
From: s3hampton
Topic: 20693 Message: 20706

--- In ham-antennas@yahoogroups.com, "ke4vyn" <ke4vyn@...> wrote:
>
> I think you also should re-visit your choice of balum. I am thinking maybe 12:1 or at the least 9:1.

- W - O - W !

I sure had not expected THIS drastic of a choice of ratio!!
Now, how do I even locate something like this..?
-My present 4:1 Balun is made by BALUN DESIGNS; Maybe he can make one..?

>
> I have a wire up 75 feet feed with a 600 ohm ladder thru a 12:1 and have no trouble hearing or talking to anyone.
> As far as testing that is about all you can do anyway.

I am curious: Do you have the ability to select another antenna, and use this as a reference? In my case, I can select the 1000 foot loop, a 540 foot loop and a 40/80 meter dipole... The 1000 foot loop is about 10 dB weaker (RX and TX) as compared to the 540 foot loop on 75 meters.

>
> 73,
> Lee
> KE4VYN
>

Thank you for your input!! 73; -Mike- KØJTA

> --- In ham-antennas@yahoogroups.com, "s3hampton" <mike@> wrote:
>
> > I just finished erecting a new loop antenna. It is about 1000 feet long, and is averaging 35 feet above the ground. It is in an open field, and is at least 60 feet from any trees on one side.
> >
> <snip>
>

20707. AW: [ham-antennas] Re: 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 22:16:20 UTC
From: Siegfried Jackstien
Topic: 20693 Message: 20707

The bigger window line has lower loss ... so far so good . but only measurable difference to the 300 ohms line

The 1:4 will work better (regardless what feeding-line you use)

Reason: on fundamental the loop has a lower impedance BUT your loop is big ... so even on lowest band it is used on a harmonic ... so impedance will go up to "a few hundred ohms" ... so the line is matched (almost) and does not transform much from loop to balun
And so your impedance down at the balun also will be a few hundred ohms
Easy to match that with a 1:4
...
If you can you should use a resonant length of ladderline (halfwave for topband) or fullwave for 80

That will make absolutely no transforming and you have the same impedance (more or less) at the balun and at the loop

Make BOTH (loop and feeding) a bit to long and make notes
Cut and try
Make another testrun etc. ... ...

I did that with my loop and no i need NO tuner on most bands ... and on the other bands it is always lower as 1:3 (o internal tuner can match the load and losses are low)
Ok I needed a few days for doing this
And for easy remembering what I did and what did change I made an excelsheet for my notes

Dg9bfc
Sigi

Ps big loops are lousy for short skip ... but for long distance they are very good

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von s3hampton
> Gesendet: Sonntag, 20. November 2011 21:34
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: 1000 foot loop antenna
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com> , "Siegfried Jackstien"
> <siegfried.jackstien@...> wrote:
> >
> > > THE QUESTIONS:
> > > I now have 250 feet of 450 window line on order; It is made from #14
> > > stranded wire.
> > > - Will this 450 Ohm LINE work better than the 300 Ohm line?
> >
> > NO!
>
> Very interesting!!!
>
> I am now using a high quality 4:1 current balun; Is this the best choice
> for RF energy transfer?
>
> - Might I be better advised to use a 1:1 with 450 Ohm line?
> - Might I be better advised to use a 4:1 with 450 Ohm line?
> - Might I be better advised to use a 1:1 with 300 Ohm line?
> - Might I be better advised to use a 4:1 with 300 Ohm line?
>
> > ... ...
> > After first test you see if one of your bands has high swr (and the
> other
> > bands swr is low) ... then add (or shorten) the feedingline ...
> > And note the changes on all bands ... and so on ... till you find your
> > "sweet spot" :-)
>
> OK!! This seems to be logical. (And, it is an easy thing for me to
> understand and follow. THANK YOU!!)
>
> >
> > > - What length of 450 Ohm line will be the best?
> >
> > >>>> That length that gives you lowest swr on your favourite bands
> > On my loop I made the loop a bit bigger and the feedingline a bit
> shorter
> > (as I had it on first setup)
> > That didn't change much on the lower bands but that helped to get the
> swr
> > down on 17 and 30m (may be different on your big loop)
> > For a real multiband setup it is a lot of cutntry
> > But it is worth doing it (every decibel counts at the end)
>
> Again, this makes perfect sense. (Thanks.)
>
> >
> > > - Will the LENGTH of the feed line make a difference?
> >
> > Not on performance of the loop itself but on feeding-point swr and balun
> > losses

>
> This brings up my earlier question of what would my "best choice" again:
>
> - Use a 1:1 or 4:1 balun?
>
> - Use 300 or 450 Ohm window line?
>
> >
> > >>>> Balanced line has such a low loss that you will never notice any
> > difference if using 300 ohms or 450 ohms or window line or real
> ladderline
> > (with open spreaders)
> > > - Will the use of 450 vs. 300 Ohm window line make a difference?
> > >>>> see above ... only measureable differences
> > Greetz Dg9bfc Sigi
> >
>
> OK; No real difference between 300 or 450 Ohm window line as the feeder.
> (I am assuming that the comparison of 300 and 450 Ohm line would be that
> each would have the same wire size...
>
> My point: The 300 Ohm line that I now have is made with #18 wire. The 450
> Ohm line is made with #14 wire. (Heavier wire is BETTER?)
>
> - Also, is there a logic for the Balun design choice of either 1:1 or 4:1?
> (I am thinking that there is a "better choice" between the two; Perhaps
> this is another choice/factor that would offer little real-world
> difference?)
>
> Thank you VERY MUCH for your time and effort, Sigi!!
> 73; -Mike- KØJTA K0JTA
>
>
>
>

20708. Re: [ham-antennas] needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-21 00:59:35 UTC
From: Artekmedia
Topic: 20700 Message: 20708

Lots of used HP gear on Evil bay that will cover this frequency range
for $500 or less ..even more form $500 to $1000

Now if your budget is $100 that's another story...maybe something like a
hp 3205A or hp 8616a ?

Dave
NR1DX

On 11/20/2011 1:27 PM, Chuck wrote:
>
> What I need help with, I need a oscillator tunable from 1 to 3 Ghz
> with at least 10mw
> output hopefully 20mw for a project I am working on. Even a design
> will help.
>
> I have priced some Rf generators that can do it but they cost about 10
> grand and more,
> If one of you have rf gen. that can do this and live in range of
> Vermont that too would help...
>
> Thanks Much...
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20709. Re: [ham-antennas] Re-visiting the G5RV

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-20 19:04:59 UTC
From: Tracy
Topic: 20698 Message: 20709

Hi Rod,

I would suggest some thing a little more basic. Point out to the city that they are relying on you for fear of there com system going down. Sense they have to rely on you this proves they have no faith in the technology of their system. Perhaps they should listen and let you do things correctly. Now while this statement is brief, I am sure you understand where I am going with it.

Good Luck!

Tracy N1RKT

On Sun, 2011-11-20 at 10:59 -0800, rrath wrote:
> I posted here a little while ago about an NVIS
> antenna mounted on a metal roof. I was shot
> down. I was told it is too long and the city
> department head does not like wire antennas.
> So I asked the city to buy a very expensive hf
> beam, know they would laugh and say no. I
> was told to look at something smaller in size.
> Thus the G5RV came into play.
>
> Here is my question:
>
> The G5RV incorporate ladder line approx
> 33.7' long. Now we will be mounting it at 10'
> above the metal roof. I do not know antenna
> design very much, but I would think we will
> have issues with the ladder line being in close
> proximity with the metal roof. Can we remove
> the ladder line and insert a balun, unan or
> something in place of the ladder line?
>
> We (city EOC) will be running an Icom
> 706mkllg with the Icom 180 auto tuner and
> about 85 watts.
>
> I can see some of you shaking your head and
> laughing - what is this guy thinking?? Answer:
> the city wants something for nothing. If it was
> up to me, I would put up a 1000' loop and call
> it good. But I have to work with the city. They
> do not understand tx type antennas. I have
> tried to explain it and they have tunnel vision

> about using a small pc of wire and picking up
> stations all around the world. That is rx and
> not tx - big difference.
>
> Any help - ideas - would be great.
>
> Thank you.
> Rod
>
>
>
>

20710. Re: [ham-antennas] Re-visiting the G5RV

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-21 02:20:46 UTC
From: stanbarb
Topic: 20698 Message: 20710

Not sure if you mentioned what frequencies you plan to use, but perhaps a trap dipole might be "small" enough to be acceptable and allow you to go with all coax to the radio,saving you having to "mess" with ladder line.

Stan
]
----- Original Message -----
From: Tracy
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 20, 2011 2:04 PM
Subject: Re: [ham-antennas] Re-visiting the G5RV

Hi Rod,

I would suggest some thing a little more basic. Point out to the city that they are relying on you for fear of there com system going down. Sense they have to rely on you this proves they have no faith in the technology of their system. Perhaps they should listen and let you do things correctly. Now while this statement is brief, I am sure you understand where I am going with it.

Good Luck!

Tracy N1RKT

On Sun, 2011-11-20 at 10:59 -0800, rrath wrote:
>
> I posted here a little while ago about an NVIS
> antenna mounted on a metal roof. I was shot
> down. I was told it is too long and the city
> department head does not like wire antennas.
> So I asked the city to buy a very expensive hf
> beam, know they would laugh and say no. I
> was told to look at something smaller in size.
> Thus the G5RV came into play.
>
> Here is my question:
>
> The G5RV incorporate ladder line approx
> 33.7' long. Now we will be mounting it at 10'
> above the metal roof. I do not know antenna
> design very much, but I would think we will
> have issues with the ladder line being in close
> proximity with the metal roof. Can we remove
> the ladder line and insert a balun, unan or
> something in place of the ladder line?

>
> We (city EOC) will be running an Icom
> 706mkllg with the Icom 180 auto tuner and
> about 85 watts.
>
> I can see some of you shaking your head and
> laughing - what is this guy thinking?? Answer:
> the city wants something for nothing. If it was
> up to me, I would put up a 1000' loop and call
> it good. But I have to work with the city. They
> do not understand tx type antennas. I have
> tried to explain it and they have tunnel vision
> about using a small pc of wire and picking up
> stations all around the world. That is rx and
> not tx - big difference.
>
> Any help - ideas - would be great.
>
> Thank you.
> Rod
>
>
>
>

[Non-text portions of this message have been removed]

20711. Re: [ham-antennas] Re-visiting the G5RV

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-21 20:45:13 UTC
From: Jay Jordan
Topic: 20698 Message: 20711

Have you tried finding out what other EMCOMM stations in your area have done ? Maybe strike up a question at the next state meeting ... Learning from other peoples trials is always cheaper !
anyway - take a look at this link .
http://www.starc.org/technotes/75-40%20meter-nvis.html and on a dipole - the higher the antenna the lower the launch angle is (better for DX) the lower the antenna the higher the launch angle is (better for NVIS) . hope this helps

Jay NX2C

[Non-text portions of this message have been removed]

20712. Re: 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-21 21:34:14 UTC
From: s3hampton
Topic: 20693 Message: 20712

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...>
wrote:
>

> ...
> If you can you should use a resonant length of ladderline (halfwave for
> topband) or fullwave for 80

To compute the FULL WAVE FOR 80 resonant length of twin-lead feeder:

- Compute this with the traditional formula? (468 / freq in mhz)

- Compute this with same formula, TIMES THE SHIFTED VELOCITY FACTOR of plastic covered feed line?

- Is this information the same for both 300 and 450 Ohm window line?

>
> That will make absolutely no transforming and you have the same impedance
> (more or less) at the balun and at the loop
>

My existing 300 Ohm feed line is 220 feet.

- What is a good "target" length to choose?

- With some effort, I could modify the route of the feed line, to make it LONGER.

- It would be impossible to make the feed lime any shorter, though.

Thank you!!!!!

73; -Mike- KØJTA

20713. AW: [ham-antennas] Re: 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 11:25:01 UTC
From: Siegfried Jackstien
Topic: 20693 Message: 20713

Resonant lenght is WITH velocity factor
Windowline is different then open wire (open line close to 1, window line is 0.9)
With your 220 feet you are close :-)
67m is a bit short
80m*0.9=72m
But maybe if your loop is a bit long it is exact what you need
You have to make a table (like I did in excel) and after every change make a note ...
Exact measurement is not needed ... it is a cutntry setup

You can make the loop a bit shorter and the feeding-line a bit longer (or other way around)

At the lower end (the balun) the result will be nearly the same on the lower bands BUT it will influence the resonant points on the higher bands!!!

The thing is that THE WHOLE system has to be resonant and that on all bands the swr is low ... and that is a bit of work

All antennas are influenced by ground, shape, height ...etc etc so I can not say what you need ...

If you sweep your antenna system with an analyzer (or trx with lowest power setting and damping between output and antenna (to safe the trx if high swr)
You will find many many points where the swr is low

Every few hundred kc the impedance will go up and down and you have to bring the low swr points in the bands of interest

Swr 1:1 is not needed (but good to have)

The goal is low swr to keep losses low

And with cut and try and making notes it is a lot of work ... but IT IS WORTH DOING IT!!
Greetz
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von s3hampton
> Gesendet: Montag, 21. November 2011 21:34
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: 1000 foot loop antenna
>

>
>
>
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Siegfried Jackstien"
> <siegfried.jackstien@...> wrote:
> >
>
> > ...
> > If you can you should use a resonant length of ladderline (halfwave for
> > topband) or fullwave for 80
>
> To compute the FULL WAVE FOR 80 resonant length of twin-lead feeder:
>
> - Compute this with the traditional formula? (468 / freq in mhz)
>
> - Compute this with same formula, TIMES THE SHIFTED VELOCITY FACTOR of
> plastic covered feed line?
>
> - Is this information the same for both 300 and 450 Ohm window line?
>
> >
> > That will make absolutely no transforming and you have the same
> impedance
> > (more or less) at the balun and at the loop
> >
>
> My existing 300 Ohm feed line is 220 feet.
>
> - What is a good "target" length to choose?
>
> - With some effort, I could modify the route of the feed line, to make it
> LONGER.
>
> - It would be impossible to make the feed lime any shorter, though.
>
> Thank you!!!!!
>
> 73; -Mike- KØJTA
>
>
>
>

20714. Re: [ham-antennas] Re: 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 12:28:14 UTC
From: stanbarb
Topic: 20693 Message: 20714

I have a question.

I've been following this thread off and on, and am wondering if a balanced output tuner directly feeding the window line wouldn't be a better way to go? Not one of the tuners with a balun after the matching network, but one with the balun at the input side.
Would the seeming need for resonance then fall out of the equation?
Recognizing that the feeder length would still be somewhat critical to keep the load within the range of the matching network.

Stan

----- Original Message -----
From: Siegfried Jackstien
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 6:25 AM
Subject: AW: [ham-antennas] Re: 1000 foot loop antenna

Resonant lenght is WITH velocity factor
Windowline is different then open wire (open line close to 1, window line is 0.9)
With your 220 feet you are close :-)
67m is a bit short
80m*0.9=72m
But maybe if your loop is a bit long it is exact what you need
You have to make a table (like I did in excel) and after every change make a note ...
Exact measurement is not needed ... it is a cutntry setup

You can make the loop a bit shorter and the feeding-line a bit longer (or other way around)

At the lower end (the balun) the result will be nearly the same on the lower bands BUT it will influence the resonant points on the higher bands!!!

The thing is that THE WHOLE system has to be resonant and that on all bands the swr is low ... and that is a bit of work

All antennas are influenced by ground, shape, height ...etc etc so I can not say what you need ...

If you sweep your antenna system with an analyzer (or trx with lowest power setting and damping between output and antenna (to safe the trx if high swr)
You will find many many points where the swr is low

Every few hundred kc the impedance will go up and down and you have to bring the low swr points in the bands of interest

Swr 1:1 is not needed (but good to have)

The goal is low swr to keep losses low

And with cut and try and making notes it is a lot of work ... but IT IS
WORTH DOING IT!!
Greetz
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von s3hampton
> Gesendet: Montag, 21. November 2011 21:34
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: 1000 foot loop antenna
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Siegfried Jackstien"
> <siegfried.jackstien@...> wrote:
> >
>
> > ...
> > If you can you should use a resonant length of ladderline (halfwave for
> > topband) or fullwave for 80
>
> To compute the FULL WAVE FOR 80 resonant length of twin-lead feeder:
>
> - Compute this with the traditional formula? (468 / freq in mhz)
>
> - Compute this with same formula, TIMES THE SHIFTED VELOCITY FACTOR of
> plastic covered feed line?
>
> - Is this information the same for both 300 and 450 Ohm window line?
>
> >
> > That will make absolutely no transforming and you have the same
> impedance
> > (more or less) at the balun and at the loop
> >
>
> My existing 300 Ohm feed line is 220 feet.
>
> - What is a good "target" length to choose?
>
> - With some effort, I could modify the route of the feed line, to make it
> LONGER.
>
> - It would be impossible to make the feed lime any shorter, though.
>

> Thank you!!!!!
>
> 73; -Mike- KØJTA
>
>
>
>

[Non-text portions of this message have been removed]

20715. issues with email.....moderator

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 13:27:17 UTC
From: van wd8aam
Topic: 20186 Message: 20715

FYI

I am forwarding this msg to all in case you are having issues with email.
It is from Yahoo Groups Team, Moderator Central.

Van
wd8aam
issues with email.....moderator

From: moderatorcentral@yahoogroups.com
[mailto:moderatorcentral@yahoogroups.com] On Behalf Of
moderatorcentral-owner@yahoogroups.com
Sent: Monday, November 21, 2011 10:27 PM
To: moderatorcentral@yahoogroups.com
Subject: [moderatorcentral] emails being rejected for "policy
reasons" and applications back online

A couple of updates we wanted folks to be aware of:

First, we have made some change recently to block the ability of
spammers to post to groups by "spoofing" the email addresses of real
group members.

However, a side effect of these changes is that some legitimate
messages could be blocked, particularly if a user is posting via an
"external email client" that does not have its SMTP configuration set
to correctly identify the source of the message.

You will know if your messages are being affected by this problem if
you receive a bounce message letting you know that your email has
been rejected for "policy reasons" or "community guidelines violations".

You can learn more about this issue, and how to correctly configure
your SMTP settings, here:
<http://help.yahoo.com/l/us/yahoo/groups/original/members/troubleshooting/ygcuflow-35.html
>http://help.yahoo.com/l/us/yahoo/groups/original/members/troubleshooting/ygcuflow-35.html

Meanwhile, our apologies for any inconvenience this change has
caused. But the good news is that the fix has enabled us to block
tens of millions of messages from spammers that otherwise may have
successfully posted to groups.

2. Belated notice that the problem with Applications described here
has been resolved:
<http://groups.yahoo.com/group/moderatorcentral/message/178>http://groups.yahoo.com/group/
moderatorcentral/message/178

Thank you,

The Yahoo! Groups Team

[Non-text portions of this message have been removed]

20716. FYI: ...cleaning out a two-way radio shop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 13:53:02 UTC
From: van wd8aam
Topic: 20716 Message: 20716

>
>FYI
>
>I am forwarding this msg to all in case you might
be interested. (It was on the Oklahoma traders group originally.)
van wd8aam

Date: Tue, 22 Nov 2011 13:34:25 -0000
Subject: [OKtraders] radio shop sell out by: kc5dbh
X-Yahoo-Newman-Property: groups-email-ff-m
Content-Type: multipart/alternative;
boundary="5DAx3GL2Imwq1r68Pkv2gPsDbYcxo7BxQruSjY3"

Folks,

During the month of December and possibly the first week of January,
I will be cleaning out a two-way radio shop. Much of the stuff is
obsolete for commercial use but may be useful for amateur use. I do
not know for sure what is there and what is not. I expect to find at
least a couple of working Cushman service monitors, some radio
programming equipment (some with software, some without), GE,
Motorola and, Midland radio parts. I suspect I will encounter a
quantity of Midland service parts along with some Maxon and, Icom
service parts. I do not anticipate any real amount of Motorola,
GE/Ericsson/MaCom/Harris, Kenwood or, Vertex Standard/Yaesu parts
except a few parts incidental to a previous repair job(s).

There is likely to be some other test equipments including a couple
of vintage Motorola and GE test sets along with a couple of
wattmeters and standalone radio programmers.

I also anticipate a quantity of used parts for GE Mastr II and
Motorola Micor/Mitrek series radios although most of it will be
either for base radios or will be crystal elements.

I also anticipate locating some vintage service manuals including
Motorola, RCA and, GE manuals. If there are any manuals you are
looking for, please e-mail me at
<mailto:kc5dbh%40yahoo.com>kc5dbh@... (no spammers, you will be
blocked permanently) and I'll keep an eye out while I'm going through
the stuff.

Once I go through the facility, I'll create a list of functional,
repairable and, saleable equipment. When I get the list together;
I'll post it here on the group page.

73's de

KC5DBH Matt

[Non-text portions of this message have been removed]

20717. AW: [ham-antennas] Re: 1000 foot loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 14:47:43 UTC
From: Siegfried Jackstien
Topic: 20693 Message: 20717

Sure is a real balanced tuner better ... but if you carefully cut the loop
AND feedingline that you have low swr on all or most bands then it can work
as good with an unbalanced tuner and remote balun
The thing is to keep the balun happy (low loss) and to keep the swr low in
the SHORT coax run from balun to tuner (if balun is remote/outside)

If balun is INSIDE tuner (on output) it is the same thing
Keep swr low with tuner in bridged mode (only balun in action)
That will keep the balun losses low and the tuner has an easy job when
switched in

And if you have a real balanced tuner with balun on input side ... also then
you can improve the system if you carefully search for the right length of
ladderline and loop ...
A balanced tuner has normally a wide tuning range but it is possible that on
some bands you do not find a good match (or find one that is tricky to tune)
Changing the length of the feeding-line can help in this situation

So ... yes you are right ... a balanced tuner might be better in some
situation ... but some hams can not bring ladder-line in the shack (or do
not want to do this cause fear of rfi) ... and for that you can mount a
balun remote and have almost the same performance (if length of antenna and
feeding-line is well chosen)

Greetz
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von stanbarb
> Gesendet: Dienstag, 22. November 2011 12:28
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: 1000 foot loop antenna
>
>
>
> I have a question.
>
> I've been following this thread off and on, and am wondering if a balanced
> output tuner directly feeding the window line wouldn't be a better way to
> go? Not one of the tuners with a balun after the matching network, but one
> with the balun at the input side.
> Would the seeming need for resonance then fall out of the equation?
> Recognizing that the feeder length would still be somewhat critical to
> keep the load within the range of the matching network.

>
> Stan
>
> ----- Original Message -----
> From: Siegfried Jackstien
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Tuesday, November 22, 2011 6:25 AM
> Subject: AW: [ham-antennas] Re: 1000 foot loop antenna
>
> Resonant lenght is WITH velocity factor
> Windowline is different then open wire (open line close to 1, window line
> is
> 0.9)
> With your 220 feet you are close :-)
> 67m is a bit short
> 80m*0.9=72m
> But maybe if your loop is a bit long it is exact what you need
> You have to make a table (like I did in excel) and after every change make
> a
> note ...
> Exact measurement is not needed ... it is a cutntry setup
>
> You can make the loop a bit shorter and the feeding-line a bit longer (or
> other way around)
>
> At the lower end (the balun) the result will be nearly the same on the
> lower
> bands BUT it will influence the resonant points on the higher bands!!!
>
> The thing is that THE WHOLE system has to be resonant and that on all
> bands
> the swr is low ... and that is a bit of work
>
> All antennas are influenced by ground, shape, height ...etc etc so I can
> not
> say what you need ...
>
> If you sweep your antenna system with an analyzer (or trx with lowest
> power
> setting and damping between output and antenna (to safe the trx if high
> swr)
> You will find many many points where the swr is low
>
> Every few hundred kc the impedance will go up and down and you have to
> bring
> the low swr points in the bands of interest
>
> Swr 1:1 is not needed (but good to have)
>
> The goal is low swr to keep losses low

>
> And with cut and try and making notes it is a lot of work ... but IT IS
> WORTH DOING IT!!
> Greetz
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > Auftrag von s3hampton
> > Gesendet: Montag, 21. November 2011 21:34
> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Betreff: [ham-antennas] Re: 1000 foot loop antenna
> >
> >
> >
> >
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-
> > antennas%40yahoogroups.com> , "Siegfried Jackstien"
> > <siegfried.jackstien@...> wrote:
> > >
> >
> > > ...
> > > If you can you should use a resonant length of ladderline (halfwave
> for
> > > topband) or fullwave for 80
> >
> > To compute the FULL WAVE FOR 80 resonant length of twin-lead feeder:
> >
> > - Compute this with the traditional formula? (468 / freq in mhz)
> >
> > - Compute this with same formula, TIMES THE SHIFTED VELOCITY FACTOR of
> > plastic covered feed line?
> >
> > - Is this information the same for both 300 and 450 Ohm window line?
> >
> > >
> > > That will make absolutely no transforming and you have the same
> > impedance
> > > (more or less) at the balun and at the loop
> > >
> >
> > My existing 300 Ohm feed line is 220 feet.
> >
> > - What is a good "target" length to choose?
> >

> > - With some effort, I could modify the route of the feed line, to make
> it
> > LONGER.
> >
> > - It would be impossible to make the feed lime any shorter, though.
> >
> > Thank you!!!!!
> >
> > 73; -Mike- KØJTA
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

20718. ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 16:58:29 UTC
From: van wd8aam
Topic: 20718 Message: 20718

Looks like we have a few more of us to talk to than before !

FYI =
<http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio-licenses-at-all-time-high/>http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio-\
licenses-at-all-time-high/
<<http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio-licenses-at-all-time-high/>http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio\
-licenses-at-all-time-high/>

Happy Thanksgiving to you all !

reprinted from:
Marty Moore

N4GBX

[Non-text portions of this message have been removed]

20719. RE: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 17:01:34 UTC
From: MIKE DURKIN
Topic: 20718 Message: 20719

I didn't check the links .... but did the fact that you don't need code to be extra light?

To: ham-antennas@yahoogroups.com
From: vlincoln@frontiernet.net
Date: Tue, 22 Nov 2011 16:58:29 +0000
Subject: [ham-antennas] ham licenses-at-all-time-high

Looks like we have a few more of us to talk to than before !

FYI =

<http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio-licenses-at-all-time-high/>http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio-\

licenses-at-all-time-high/

<<http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio-licenses-at-all-time-high/>http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio\

-licenses-at-all-time-high/>

Happy Thanksgiving to you all !

reprinted from:

Marty Moore

N4GBX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20720. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 17:09:52 UTC
From: WA8JXM
Topic: 20718 Message: 20720

On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:

> I didn't check the links .... but did the fact that you don't need code to be extra light?

More hams than ever....and the bands are more empty than ever.... :(

Ken

20721. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 17:42:16 UTC
From: Dan Schaaf
Topic: 20718 Message: 20721

What bands are you listening to ???
They seem to be quite full.
Especially 10 and 12 meters

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 12:09 PM
Subject: Re: [ham-antennas] ham licenses-at-all-time-high

On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:

> I didn't check the links .... but did the fact that you don't need code to be extra light?

More hams than ever....and the bands are more empty than ever.... :(

Ken

[Non-text portions of this message have been removed]

20722. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 17:46:11 UTC
From: Frank Kirschner
Topic: 20718 Message: 20722

It doesn't seem that way to me. I heard more stations on 10 meters in the last month than I did in the previous 49 years. Any station that doesn't begin with a W or K (and even some that do) engenders a pile-up. There is exotic DX on every band.

Some of it may be that I finally have a decent antenna. I spent many years in the military, and lugged around a Cushcraft R7, or hid a dipole in the attic of a rented house. Now I have a 102-ft doublet at about 70 feet, and DX is great.

But it seems to me that there is more activity. Sun spots help, but in the last ARRL SS, there were loads of US stations on. Maybe that's just me.

73,
Frank
KF6E

On Tue, Nov 22, 2011 at 12:09 PM, WA8JXM <wa8jxm@...> wrote:

> **
>
>
>
> On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:
>
> > I didn't check the links .... but did the fact that you don't need code
> to be extra light?
>
> More hams than ever....and the bands are more empty than ever.... :(
>
> Ken
>
>

[Non-text portions of this message have been removed]

20723. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 18:21:51 UTC
From: Dan Schaaf
Topic: 20718 Message: 20723

Right
I got back on the air in Aug 2005 and I have 317 countries worked and confirmed and 9 Band DXCC credits and WAS and WAZ since 2005.
Almost 100 countries on 6 meters.
The bands have been alive and well and hopping since Sept on 12 and 10 meters due to the Solar Flux Index being high.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: Frank Kirschner
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 12:46 PM
Subject: Re: [ham-antennas] ham licenses-at-all-time-high

It doesn't seem that way to me. I heard more stations on 10 meters in the last month than I did in the previous 49 years. Any station that doesn't begin with a W or K (and even some that do) engenders a pile-up. There is exotic DX on every band.

Some of it may be that I finally have a decent antenna. I spent many years in the military, and lugged around a Cushcraft R7, or hid a dipole in the attic of a rented house. Now I have a 102-ft doublet at about 70 feet, and DX is great.

But it seems to me that there is more activity. Sun spots help, but in the last ARRL SS, there were loads of US stations on. Maybe that's just me.

73,
Frank
KF6E

On Tue, Nov 22, 2011 at 12:09 PM, WA8JXM <wa8jxm@...> wrote:

> **
>
>
>
> On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:
>
> > I didn't check the links .... but did the fact that you don't need code
> to be extra light?
>
> More hams than ever....and the bands are more empty than ever.... :(
>

> Ken
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20724. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 18:25:50 UTC
From: WA8JXM
Topic: 20718 Message: 20724

Back in my early days (1963), almost every evening, 80 meter cw would be wall to wall occupied (all 300 kHz of the CW subband). I mean every kHz was occupied. Some evenings it could take you five minutes to find an unoccupied spot to call CQ. The phone portion was even worse. Likewise 40m and 20m.

Now you can tune 25-50 kHz and not hear a single signal.

Similarly 2m after the advent of repeaters (1970). Morning and evening drive time had at least a half dozen or more repeaters in steady operation (Cincinnati area). Now I can listen and rarely hear any use even during drive time. I was talking with a ham in Colorado who has a mountain top repeater that no one has used in months.

You say 10m is "full"????? I can still tune 25 or 50 kHz portions and not hear anything even in the popular segments although the band is very much open since I hear plenty of signals on the PSK frequency. I just tuned 28.6 to 29.1, a half megahertz, and didn't hear a single signal. The band certainly is not "full", at least according to my definition.

The only time I hear the bands "full" is on a weekend with a major contest. It used to be that way even without a contest.

Ken

On Nov 22, 2011, at 12:42 PM, Dan Schaaf wrote:

> What bands are you listening to ???
> They seem to be quite full.
> Especially 10 and 12 meters
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
>
> ----- Original Message -----
> From: WA8JXM
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, November 22, 2011 12:09 PM
> Subject: Re: [ham-antennas] ham licenses-at-all-time-high
>
>
>
>
> On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:
>
>> I didn't check the links .... but did the fact that you don't need code to be extra light?
>

> More hams than ever....and the bands are more empty than ever.... :(
>
> Ken
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

20725. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 18:40:41 UTC
From: dean
Topic: 20718 Message: 20725

Don't forget General also.

73, WY6L

-----Original Message-----
From: MIKE DURKIN
Sent: Tuesday, November 22, 2011 9:01 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] ham licenses-at-all-time-high

I didn't check the links .... but did the fact that you don't need code to
be extra light?

To: ham-antennas@yahoogroups.com
From: vlincoln@...
Date: Tue, 22 Nov 2011 16:58:29 +0000
Subject: [ham-antennas] ham licenses-at-all-time-high

Looks like we have a few more of us to talk to than before !

FYI =

<http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio-licenses-at-all-t
ime-high/>http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio-\

licenses-at-all-time-high/

<<http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio-licenses-at-all-
time-high/>http://www.foxnews.com/scitech/2011/11/17/radio-days-are-back-ham-radio\

-licenses-at-all-time-high/>

Happy Thanksgiving to you all !

reprinted from:

Marty Moore

N4GBX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause

for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20726. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 19:45:36 UTC
From: Joe
Topic: 20718 Message: 20726

Ken I agree with you 100% in everything you say below.

In the 70's you for the most part had to answer a CQ because there was no empty spots on the bands period. no matter how tight of a filter you had .25Kc was still too wide.

You even with a filter that wide operated with most times at least a second sqo going on and sometime even two can be heard, this was normal every day operating.

Joe wb9sbd

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 11/22/2011 12:25 PM, WA8JXM wrote:
> Back in my early days (1963), almost every evening, 80 meter cw would be wall to wall occupied (all 300 kHz of the CW subband). I mean every kHz was occupied. Some evenings it could take you five minutes to find an unoccupied spot to call CQ. The phone portion was even worse. Likewise 40m and 20m.
> X-Antispam: NO; Spamcatcher 6.1.2. Score 1
>
> Now you can tune 25-50 kHz and not hear a single signal.
>
> Similarly 2m after the advent of repeaters (1970). Morning and evening drive time had at least a half dozen or more repeaters in steady operation (Cincinnati area). Now I can listen and rarely hear any use even during drive time. I was talking with a ham in Colorado who has a mountain top repeater that no one has used in months.
>
> You say 10m is "full"????? I can still tune 25 or 50 kHz portions and not hear anything even in the popular segments although the band is very much open since I hear plenty of signals on the PSK frequency. I just tuned 28.6 to 29.1, a half megahertz, and didn't hear a single signal. The band certainly is not "full", at least according to my definition.
>
> The only time I hear the bands "full" is on a weekend with a major contest. It used to be that way even without a contest.
>
> Ken
>
> On Nov 22, 2011, at 12:42 PM, Dan Schaaf wrote:
>
>> What bands are you listening to ???
>> They seem to be quite full.
>> Especially 10 and 12 meters

>>
>> Best Regards
>> Dan Schaaf
>> K3ZXL www.k3zxl.com
>>
>>
>> ----- Original Message -----
>> From: WA8JXM
>> To: ham-antennas@yahoogroups.com
>> Sent: Tuesday, November 22, 2011 12:09 PM
>> Subject: Re: [ham-antennas] ham licenses-at-all-time-high
>>
>>
>>
>>
>> On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:
>>
>>> I didn't check the links .... but did the fact that you don't need code to be extra light?
>> More hams than ever....and the bands are more empty than ever.... :(
>>
>> Ken
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com
>> Yahoo! Groups Links
>>
>>
>>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for

suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

20727. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 19:58:48 UTC
From: Artekmedia
Topic: 20718 Message: 20727

I agree with Ken

Due to 2 sequential moves and less than ideal antenna locations and the energy required to start my own business I had not been on the HF bands up until 3-weeks ago for the first time in 9 years. When I first started tuning the bands 3 weeks ago things were so dead (relative to even 10 years ago) that at first I thought damn I get on for the first time in 9 years and we are having a solar storm. Turns out no solar storm at all just that many less people on . Worked some amazing DX barefoot through modest pileups, barefoot with a butternut vertical so conditions were good ...just no competition for the DX.

As ken said 80, 75 and 20 used to be wall to wall 24/7, 40 was never a hot band in those days because of all the foreign broadcast on the band which is now 99% gone. 10 meters seems busy now because of the solar cycle but no more than in cycles past..good place to work the world with modest antennas and equipment which is why it is popular now.

Now gotta go put a few more wires before CQWW :-)

Dave
NR1Dx
Continuously licensed since 1961
dit dit

On 11/22/2011 12:25 PM, WA8JXM wrote:
>
> Back in my early days (1963), almost every evening, 80 meter cw would
> be wall to wall occupied (all 300 kHz of the CW subband). I mean every
> kHz was occupied. Some evenings it could take you five minutes to find
> an unoccupied spot to call CQ. The phone portion was even worse.
> Likewise 40m and 20m.
>
> Now you can tune 25-50 kHz and not hear a single signal.
>
> Similarly 2m after the advent of repeaters (1970). Morning and evening
> drive time had at least a half dozen or more repeaters in steady
> operation (Cincinnati area). Now I can listen and rarely hear any use
> even during drive time. I was talking with a ham in Colorado who has a
> mountain top repeater that no one has used in months.
>
> You say 10m is "full"????? I can still tune 25 or 50 kHz portions and
> not hear anything even in the popular segments although the band is
> very much open since I hear plenty of signals on the PSK frequency. I
> just tuned 28.6 to 29.1, a half megahertz, and didn't hear a single
> signal. The band certainly is not "full", at least according to my

> definition.
>
> The only time I hear the bands "full" is on a weekend with a major
> contest. It used to be that way even without a contest.
>
> Ken
>
> On Nov 22, 2011, at 12:42 PM, Dan Schaaf wrote:
>
> > What bands are you listening to ???
> > They seem to be quite full.
> > Especially 10 and 12 meters
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com
> >
> >
> > ----- Original Message -----
> > From: WA8JXM
> > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Tuesday, November 22, 2011 12:09 PM
> > Subject: Re: [ham-antennas] ham licenses-at-all-time-high
> >
> >
> >
> >
> > On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:
> >
> >> I didn't check the links .... but did the fact that you don't need
> code to be extra light?
> >
> > More hams than ever....and the bands are more empty than ever.... :(
> >
> > Ken
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY
> be cause for suspension. Moderators WILL have final say in these matters.

> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20728. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 20:04:38 UTC
From: WA8JXM
Topic: 20718 Message: 20728

On Nov 22, 2011, at 2:58 PM, Artekmedia wrote:

> Worked some amazing DX barefoot through
> modest pileups, barefoot with a butternut vertical so conditions were
> good ...just no competition for the DX.

Yes, Dave. The other thing I've noticed is that DX is CALLING ME! That was something that never happened in the old days when W/K calls dominated the bands.

Yes, it's easier for U.S. hams to work DX because W/K stations are no where as common as they used to be.

73, Ken WA8JXM

20729. Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 20:10:54 UTC
From: kb7gl
Topic: 20718 Message: 20729

I was first licensed in late 1957, during the famous Cycle 19 -- I agree with comments about the massive amount of signals, even on the Novice sub-bands. I'm guessing that much of the present population of new hams is starting on VHF/UHF -- which leaves more room for me to work DX with my meager 100 watts & wires! Nice to see the numbers going up, however.

73, Vic
KB7GL

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> I agree with Ken
>
> Due to 2 sequential moves and less than ideal antenna locations and the
> energy required to start my own business I had not been on the HF bands
> up until 3-weeks ago for the first time in 9 years. When I first started
> tuning the bands 3 weeks ago things were so dead (relative to even 10
> years ago) that at first I thought damn I get on for the first time in 9
> years and we are having a solar storm. Turns out no solar storm at all
> just that many less people on . Worked some amazing DX barefoot through
> modest pileups, barefoot with a butternut vertical so conditions were
> good ...just no competition for the DX.
>
> As ken said 80, 75 and 20 used to be wall to wall 24/7, 40 was never a
> hot band in those days because of all the foreign broadcast on the band
> which is now 99% gone. 10 meters seems busy now because of the solar
> cycle but no more than in cycles past..good place to work the world with
> modest antennas and equipment which is why it is popular now.
>
> Now gotta go put a few more wires before CQWW :-)
>
> Dave
> NR1Dx
> Continuously licensed since 1961
> dit dit
>
>

20730. Re: [ham-antennas] Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 20:17:52 UTC
From: WA8JXM
Topic: 20718 Message: 20730

On Nov 22, 2011, at 3:10 PM, kb7gl wrote:

> I'm guessing that much of the present population of new hams is starting on VHF/UHF

They must be hiding on 1200 MHz or something because I certainly don't here them or 2m or 440.

I actually packed the 6/2/440 FM rig away because there is no activity. Okay, I'm rural, but I can hear the repeaters even in the bigger cities and there is little activity.

I have to suspect that many of the newly licensed hams never get beyond a 2m hand held, if they even get that far. And then they give up. Don't forget, today's numbers are inflated by the 10 year renewal cycle. It used to be five years AND you had to certify that you were active to renew.

Ken

20731. Re: [ham-antennas] Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 20:31:14 UTC
From: Dan Schaaf
Topic: 20718 Message: 20731

Many folks are recruited into the hobby, just to find that they either cannot afford to gear up or find that there are more immediate pleasures satisfied through gaming, texting etc. at a lower cost.
And, in today's digital world, many of those recruits choose digital modes such as PSK.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 3:17 PM
Subject: Re: [ham-antennas] Re: ham licenses-at-all-time-high

On Nov 22, 2011, at 3:10 PM, kb7gl wrote:

> I'm guessing that much of the present population of new hams is starting on VHF/UHF

They must be hiding on 1200 MHz or something because I certainly don't here them or 2m or 440.

I actually packed the 6/2/440 FM rig away because there is no activity. Okay, I'm rural, but I can hear the repeaters even in the bigger cities and there is little activity.

I have to suspect that many of the newly licensed hams never get beyond a 2m hand held, if they even get that far. And then they give up. Don't forget, today's numbers are inflated by the 10 year renewal cycle. It used to be five years AND you had to certify that you were active to renew.

Ken

[Non-text portions of this message have been removed]

20732. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 20:36:56 UTC
From: Sebastian, W4AS
Topic: 20718 Message: 20732

It does appear that most clubs who bring new people into the hobby (at least in the US) are indeed the FM repeater type of clubs. Most of them become involved with public service, and rarely are exposed to the various other aspects of this hobby, including antennas.

But it's not good for the hobby if old timers (I include myself - licensed for almost 35 years), continue the mantra of how things were different many years ago. That only serves to alienate people, and causes harm to all of us.

73 de Sebastian, W4AS

20733. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 20:50:55 UTC
From: WA8JXM
Topic: 20718 Message: 20733

On Nov 22, 2011, at 3:36 PM, Sebastian, W4AS wrote:

> But it's not good for the hobby if old timers (I include myself - licensed for almost 35 years), continue the mantra of how things were different many years ago. That only serves to alienate people, and causes harm to all of us.

Sorry, Sebastian, I don't see that we are alienating anyone. I do think it is a legitimate concern that although our licensed numbers are almost 3x what they used to be, actual on the air activity is down. IMO, the licensed numbers hide the actual decline of the hobby.

Now if someone wants to convince me that we really have more people active, be it experimenting on short distance 1200 and 2300 MHz work, or in other activities that I don't see, that would be great.

Ken

20734. Re: [ham-antennas] Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 20:53:29 UTC
From: Todd F. Carney
Topic: 20718 Message: 20734

*To add a different note to this discussion, I'm newly-licensed at the Tech grade as KF7SIS. The next exam session I'll go for General. I've wanted to get into amateur radio since I was 9. I'm 54 now. It was about time.

I have two principal interests so far: active involvement in ARES/RACES on 2 meter and higher; and HF (40m to start with) for CW, DX, and QRP. In order to do anything other than listen on 40 I need to get my code up to speed--I figure at least 10wpm with a straight key. I might try paddle keyers sometime, but I'm a traditionalist.

Along that same line, for everything under 2 meters I will home brew my gear and antennas. I used to make my living in electronics engineering, so I have some skills. But I'll leave the VHF/UHF stuff to factory-made gear. For my involvement in ARES/RACES I need gear that's up to date, dual-band, programmable, PL-ready, etc.

I've become involved in the local Ham club, and after the first of the year I'll be involved with the local ARES folks. I've already begun the online training courses.

I like avocations (sorry, I don't like the word "hobby" as some people use it to trivialize things people do other than earn money) that combine my interests with public interests, and amateur radio has certainly proved its ability to serve the public.

Best regards,

Todd
KF7SIS

*

KF7SIS / Medford, Oregon / (541) 951-5702

"You don't have to believe everything you think." --Anonymous
*
*
*
*

[Non-text portions of this message have been removed]

20735. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 21:00:08 UTC
From: Dan Schaaf
Topic: 20718 Message: 20735

You know, there are experimenters that have a license to test their projects on the air. There are QRPers who focus on one frequency. There are hikers and mountain climbers who get on the air and there are those who are happy to make 1 QSO or 2 per day. Most of these guys are not obliterating the airwaves.
Then there are the VHF guys who are not HFers and the VHF bands are not hopping 24/7 due to limited propagation.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 3:50 PM
Subject: Re: [ham-antennas] ham licenses-at-all-time-high

On Nov 22, 2011, at 3:36 PM, Sebastian, W4AS wrote:

> But it's not good for the hobby if old timers (I include myself - licensed for almost 35 years), continue the mantra of how things were different many years ago. That only serves to alienate people, and causes harm to all of us.

Sorry, Sebastian, I don't see that we are alienating anyone. I do think it is a legitimate concern that although our licensed numbers are almost 3x what they used to be, actual on the air activity is down. IMO, the licensed numbers hide the actual decline of the hobby.

Now if someone wants to convince me that we really have more people active, be it experimenting on short distance 1200 and 2300 MHz work, or in other activities that I don't see, that would be great.

Ken

[Non-text portions of this message have been removed]

20736. Re: [ham-antennas] Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 21:08:00 UTC
From: WA8JXM
Topic: 20718 Message: 20736

On Nov 22, 2011, at 3:31 PM, Dan Schaaf wrote:

> Many folks are recruited into the hobby, just to find that they either cannot afford to gear up or find that there are more immediate pleasures satisfied through gaming, texting etc. at a lower cost.
> And, in today's digital world, many of those recruits choose digital modes such as PSK.

The gear is cheaper today (in actual dollars) or in hours worked than it was 40 years ago. Early 2m handhelds and mobiles were in the $300 range. A pair of Drake Twins (receiver, transmitter and power supply) were about $1000. In those days, that was significant money in terms of hours worked to buy one. The top of the line (Collins S-line) was around $3500 IIRC.

In the 1969 Handbook, Swan HF transceivers were advertised for $420 to $520. That's roughly equivalent to $4000+ now, and they were middle of the line. Gas was under 40 cents per gallon then. Oh yeah, the ARRL Handbook was $4 (compared to $50 now) and the ARRL Antenna Book was $2.

OTOH, my first transmitter was built out of salvaged TV parts and a few parts bought new or surplus.

I agree, however, a lot of the excitement can be found in other venues today.

Ken

20737. Re: [ham-antennas] Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 21:11:59 UTC
From: WA8JXM
Topic: 20718 Message: 20737

Todd,

Welcome to the fraternity! I hope that ham radio meets your desires and you stay active in one way or the other.

Ken
WA8JXM

On Nov 22, 2011, at 3:53 PM, Todd F. Carney wrote:

> *To add a different note to this discussion, I'm newly-licensed at the Tech
> grade as KF7SIS. The next exam session I'll go for General. I've wanted to
> get into amateur radio since I was 9. I'm 54 now. It was about time.
>
> I have two principal interests so far: active involvement in ARES/RACES on
> 2 meter and higher; and HF (40m to start with) for CW, DX, and QRP. In
> order to do anything other than listen on 40 I need to get my code up to
> speed--I figure at least 10wpm with a straight key. I might try paddle
> keyers sometime, but I'm a traditionalist.
>
> Along that same line, for everything under 2 meters I will home brew my
> gear and antennas. I used to make my living in electronics engineering, so
> I have some skills. But I'll leave the VHF/UHF stuff to factory-made gear.
> For my involvement in ARES/RACES I need gear that's up to date, dual-band,
> programmable, PL-ready, etc.
>
> I've become involved in the local Ham club, and after the first of the year
> I'll be involved with the local ARES folks. I've already begun the online
> training courses.
>
> I like avocations (sorry, I don't like the word "hobby" as some people use
> it to trivialize things people do other than earn money) that combine my
> interests with public interests, and amateur radio has certainly proved its
> ability to serve the public.
>
> Best regards,
>
> Todd
> KF7SIS

20738. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 21:18:19 UTC
From: roger.h@comcast.net
Topic: 20718 Message: 20738

The CW on 80 meters has certainly died down over the years compared to what it use to be or should be. I'm sure the killing of the cw test helped. Of course on CW test weekends it gets quite lively. I like to work the CW late shift on 40m. There are clubs in my area of Tn. that just push ARES and not other areas or modes. RTTY has really died off here as well. There are many hams here who are members of groups who are planning and preparing for whatever might happen in 2012. So they get hams license for comminications and learn cooking, canning of fruit and vegs. and other areas. They don't really care for ham radio but just want to communicate in the event. I'd say their are about several hundred in middle Tn. One group is call the (9/12 ers). I'm teaching classes and pulling them into our club. We had about 35 of that group in Nov meeting. They are big on repeaters. That's great for them and really nice people too. Google 9/12 group. In2012 and 13, I want to pull them into normalcy of Ham Radio. Let me say I hope you all have a very good and happy Thanksgiving and pray for all be here in the coming years. 73, Roger, w4iv

----- Original Message -----
From: "WA8JXM" <wa8jxm@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 12:25:50 PM
Subject: Re: [ham-antennas] ham licenses-at-all-time-high

Back in my early days (1963), almost every evening, 80 meter cw would be wall to wall occupied (all 300 kHz of the CW subband). I mean every kHz was occupied. Some evenings it could take you five minutes to find an unoccupied spot to call CQ. The phone portion was even worse. Likewise 40m and 20m.

Now you can tune 25-50 kHz and not hear a single signal.

Similarly 2m after the advent of repeaters (1970). Morning and evening drive time had at least a half dozen or more repeaters in steady operation (Cincinnati area). Now I can listen and rarely hear any use even during drive time. I was talking with a ham in Colorado who has a mountain top repeater that no one has used in months.

You say 10m is "full"????? I can still tune 25 or 50 kHz portions and not hear anything even in the popular segments although the band is very much open since I hear plenty of signals on the PSK frequency. I just tuned 28.6 to 29.1, a half megahertz, and didn't hear a single signal. The band certainly is not "full", at least according to my definition.

The only time I hear the bands "full" is on a weekend with a major contest. It used to be that way even without a contest.

Ken

On Nov 22, 2011, at 12:42 PM, Dan Schaaf wrote:

> What bands are you listening to ???
> They seem to be quite full.
> Especially 10 and 12 meters

>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
>
> ----- Original Message -----
> From: WA8JXM
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, November 22, 2011 12:09 PM
> Subject: Re: [ham-antennas] ham licenses-at-all-time-high
>
>
>
>
> On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:
>
>> I didn't check the links .... but did the fact that you don't need code to be extra light?
>
> More hams than ever....and the bands are more empty than ever.... :(
>
> Ken
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20739. Re: [ham-antennas] Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 21:51:44 UTC
From: Artekmedia
Topic: 20718 Message: 20739

True in some sense on commercial gear...but I recall having a surplus BC-348 that I bought for $50 (6 months allowance plus some birthday money from grandpa) and building my own transmitters from scavenged TV parts (great cause they had hefty power transformers anf flyback tubes) for only a few $$... If they ever figure out the time travel thing I am going back to 1963 the only thing I would miss is my PC but I think I'll get by :-)

Dave
Nr1DX

On 11/22/2011 3:08 PM, WA8JXM wrote:
>
> On Nov 22, 2011, at 3:31 PM, Dan Schaaf wrote:
>
> > Many folks are recruited into the hobby, just to find that they
> either cannot afford to gear up or find that there are more immediate
> pleasures satisfied through gaming, texting etc. at a lower cost.
> > And, in today's digital world, many of those recruits choose digital
> modes such as PSK.
>
> The gear is cheaper today (in actual dollars) or in hours worked than
> it was 40 years ago. Early 2m handhelds and mobiles were in the $300
> range. A pair of Drake Twins (receiver, transmitter and power supply)
> were about $1000. In those days, that was significant money in terms
> of hours worked to buy one. The top of the line (Collins S-line) was
> around $3500 IIRC.
>
> In the 1969 Handbook, Swan HF transceivers were advertised for $420 to
> $520. That's roughly equivalent to $4000+ now, and they were middle of
> the line. Gas was under 40 cents per gallon then. Oh yeah, the ARRL
> Handbook was $4 (compared to $50 now) and the ARRL Antenna Book was $2.
>
> OTOH, my first transmitter was built out of salvaged TV parts and a
> few parts bought new or surplus.
>
> I agree, however, a lot of the excitement can be found in other venues
> today.
>
> Ken
>
>

--
Dave& Lynn Henderson
Manuals@...

www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20740. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 21:56:19 UTC
From: Sebastian, W4AS
Topic: 20718 Message: 20740

Indeed. Not hearing activity on a certain band or a certain mode at a certain time, doesn't mean that activity is low.

A prime example is 2 meters. Many hams will say they no longer hear a lot of activity on the 2 meter repeaters anymore. That may be true, but what they may not realize is how many signals are on that band.

One example is the amateur satellites. The uplink for the most popular amateur radio satellite (AO-51) is on 2 meters. The US is in the footprint of that bird several times per day, but since we transmit on one band, and listen on another, many are not aware of those signals.

Anyone with a 440 FM rig, and a small home made antenna, can listen in on the fun. Anyone with separate 2 meter and 440 FM rigs, can join in on the fun. But be aware that AO-51 is very popular, and often times it has been referred to, as a zoo.

2 meters is also the most popular band worldwide for EME. Most hams believe they don't have the ability to make a contact via EME, but any ham with a 9 element beam, and a 100 watt 2 meter SSB rig, CAN make EME QSOs with several big gun stations in different countries. When conditions are good (roughly a few days of the month), it's often difficult to find a clear frequency on the lower portion of the band.

In the morning, 2 meters is also used to make meteor scatter contacts, up to roughly 1300 miles or more. That same 2 meter SSB 100 watt rig, and beam, will allow you to routinely make these long distance QSOs on a daily basis.

Some of us spend a lot of time building things, writing software, planning DXpeditions, reading this reflector, etc. I believe that all of those are examples of being active in the hobby.

It's human nature to believe that things were better when you were younger. Debating the merits of the licensing requirements of today, versus the requirements of years back, serves no constructive purpose for the future of this hobby.

73 de Sebastian, W4AS

On Nov 22, 2011, at 4:00 PM, Dan Schaaf wrote:

> You know, there are experimenters that have a license to test their projects on the air. There are QRPers who focus on one frequency. There are hikers and mountain climbers who get on the air and there are those who are happy to make 1 QSO or 2 per day. Most of these guys are not obliterating the airwaves.
> Then there are the VHF guys who are not HFers and the VHF bands are not hopping 24/7 due to limited propagation.
>
> Best Regards
> Dan Schaaf

> K3ZXL www.k3zxl.com

20741. Re: [ham-antennas] Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 22:12:26 UTC
From: Dan Schaaf
Topic: 20718 Message: 20741

Can't get a BC-348 cheap THESE days
Check Ebay for current pricing

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Artekmedia
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 4:51 PM
Subject: Re: [ham-antennas] Re: ham licenses-at-all-time-high

True in some sense on commercial gear...but I recall having a surplus BC-348 that I bought for $50 (6 months allowance plus some birthday money from grandpa) and building my own transmitters from scavenged TV parts (great cause they had hefty power transformers anf flyback tubes) for only a few $$... If they ever figure out the time travel thing I am going back to 1963 the only thing I would miss is my PC but I think I'll get by :-)

Dave
Nr1DX

On 11/22/2011 3:08 PM, WA8JXM wrote:
>
> On Nov 22, 2011, at 3:31 PM, Dan Schaaf wrote:
>
> > Many folks are recruited into the hobby, just to find that they
> either cannot afford to gear up or find that there are more immediate
> pleasures satisfied through gaming, texting etc. at a lower cost.
> > And, in today's digital world, many of those recruits choose digital
> modes such as PSK.
>
> The gear is cheaper today (in actual dollars) or in hours worked than
> it was 40 years ago. Early 2m handhelds and mobiles were in the $300
> range. A pair of Drake Twins (receiver, transmitter and power supply)
> were about $1000. In those days, that was significant money in terms
> of hours worked to buy one. The top of the line (Collins S-line) was
> around $3500 IIRC.
>
> In the 1969 Handbook, Swan HF transceivers were advertised for $420 to

> $520. That's roughly equivalent to $4000+ now, and they were middle of
> the line. Gas was under 40 cents per gallon then. Oh yeah, the ARRL
> Handbook was $4 (compared to $50 now) and the ARRL Antenna Book was $2.
>
> OTOH, my first transmitter was built out of salvaged TV parts and a
> few parts bought new or surplus.
>
> I agree, however, a lot of the excitement can be found in other venues
> today.
>
> Ken
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20742. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 22:13:49 UTC
From: Dan Schaaf
Topic: 20718 Message: 20742

Sebastion, I agree.
I hate the old saying " If it was good enough for my father and grandfather, then it is good enough for me ".

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Sebastian, W4AS
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 4:56 PM
Subject: Re: [ham-antennas] ham licenses-at-all-time-high

Indeed. Not hearing activity on a certain band or a certain mode at a certain time, doesn't mean that activity is low.

A prime example is 2 meters. Many hams will say they no longer hear a lot of activity on the 2 meter repeaters anymore. That may be true, but what they may not realize is how many signals are on that band.

One example is the amateur satellites. The uplink for the most popular amateur radio satellite (AO-51) is on 2 meters. The US is in the footprint of that bird several times per day, but since we transmit on one band, and listen on another, many are not aware of those signals.

Anyone with a 440 FM rig, and a small home made antenna, can listen in on the fun. Anyone with separate 2 meter and 440 FM rigs, can join in on the fun. But be aware that AO-51 is very popular, and often times it has been referred to, as a zoo.

2 meters is also the most popular band worldwide for EME. Most hams believe they don't have the ability to make a contact via EME, but any ham with a 9 element beam, and a 100 watt 2 meter SSB rig, CAN make EME QSOs with several big gun stations in different countries. When conditions are good (roughly a few days of the month), it's often difficult to find a clear frequency on the lower portion of the band.

In the morning, 2 meters is also used to make meteor scatter contacts, up to roughly 1300 miles or more. That same 2 meter SSB 100 watt rig, and beam, will allow you to routinely make these long distance QSOs on a daily basis.

Some of us spend a lot of time building things, writing software, planning DXpeditions, reading this reflector, etc. I believe that all of those are examples of being active in the hobby.

It's human nature to believe that things were better when you were younger. Debating the merits of the licensing requirements of today, versus the requirements of years back, serves no constructive purpose for the future of this hobby.

73 de Sebastian, W4AS

On Nov 22, 2011, at 4:00 PM, Dan Schaaf wrote:

> You know, there are experimenters that have a license to test their projects on the air. There are QRPers who focus on one frequency. There are hikers and mountain climbers who get on the air and there are those who are happy to make 1 QSO or 2 per day. Most of these guys are not obliterating the airwaves.
> Then there are the VHF guys who are not HFers and the VHF bands are not hopping 24/7 due to limited propagation.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com

[Non-text portions of this message have been removed]

20743. Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 22:37:20 UTC
From: Ralph
Topic: 20718 Message: 20743

Todd,

Welcome to the group. Been volunteering my time with (Hawaii) Department of Emergency Management (RACES) for a bit. Plus putting some time into Disaster Preparedness Events. Feels like I am actually doing something. Ham on a budget is ready and willing to assist. Just finished making my first J-Pole and putting together my HF antennae and testing.

v/r
Ralph WH7PD (Aloha from Hawaii)

--- In ham-antennas@yahoogroups.com, WA8JXM <wa8jxm@...> wrote:
>
> Todd,
>
> Welcome to the fraternity! I hope that ham radio meets your desires and you stay active in one way or the other.
>
> Ken
> WA8JXM
>
> On Nov 22, 2011, at 3:53 PM, Todd F. Carney wrote:
>
> > *To add a different note to this discussion, I'm newly-licensed at the Tech
> > grade as KF7SIS. The next exam session I'll go for General. I've wanted to
> > get into amateur radio since I was 9. I'm 54 now. It was about time.
> >
> > I have two principal interests so far: active involvement in ARES/RACES on
> > 2 meter and higher; and HF (40m to start with) for CW, DX, and QRP. In
> > order to do anything other than listen on 40 I need to get my code up to
> > speed--I figure at least 10wpm with a straight key. I might try paddle
> > keyers sometime, but I'm a traditionalist.
> >
> > Along that same line, for everything under 2 meters I will home brew my
> > gear and antennas. I used to make my living in electronics engineering, so
> > I have some skills. But I'll leave the VHF/UHF stuff to factory-made gear.
> > For my involvement in ARES/RACES I need gear that's up to date, dual-band,
> > programmable, PL-ready, etc.
> >
> > I've become involved in the local Ham club, and after the first of the year
> > I'll be involved with the local ARES folks. I've already begun the online
> > training courses.
> >
> > I like avocations (sorry, I don't like the word "hobby" as some people use
> > it to trivialize things people do other than earn money) that combine my
> > interests with public interests, and amateur radio has certainly proved its
> > ability to serve the public.

> >
> > Best regards,
> >
> > Todd
> > KF7SIS
>

20744. Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 22:53:30 UTC
From: pchapman920
Topic: 20718 Message: 20744

Empty? Anyone try to find room for a rag chew Friday, Saturday or Sunday? Contests are good for the hobby, but also brings out the worst in some operators.

--- In ham-antennas@yahoogroups.com, WA8JXM <wa8jxm@...> wrote:
>
>
> On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:
>
> > I didn't check the links .... but did the fact that you don't need code to be extra light?
>
>
> More hams than ever....and the bands are more empty than ever.... :(
>
> Ken
>

20745. Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 00:38:25 UTC
From: Paul Horvitz
Topic: 20718 Message: 20745

Hello all,
I first got my Novice in 1969, and caught cycle 20. The bands were full of life, all the HF ones(that used to mean 160,80/75, 40, 20, 15 and 10). Like someone else said in here, they were as full as it is now only when a big contests such as SS and field day are going on. Every hour of every day, everywhere.

I remember clearly due to the rapid growth of popularity of personal computers and especially the Internet to the general pubic how they detrimentally effected hamming. There was a noticeable drop in activity during that period, hardly any new comers on the air. Didn't need to study up, pass a theory and CW test to get on-line.

My having being inactive 20 years or so (family, work) after getting back on the air I was shocked and alarmed, still am. Where did everyone go??!!!
Thought my antenna system had a problem for the first couple weeks back on!

And the CW activity!! Almost none on 40 meters during daylight hours!
I have tuned it many many times and heard not a single QSO, I have called CQ frequently for a half hour with no answer. Or the same three, count 'em, 3 guy's will reply. It's so silent it's creepy.

So a thought just crossed my mind, what am I doing here, typing?

See you on the air,
73,
Paul
WA6IAF

--- In ham-antennas@yahoogroups.com, WA8JXM <wa8jxm@...> wrote:
>
> Back in my early days (1963), almost every evening, 80 meter cw would be wall to wall occupied (all 300 kHz of the CW subband). I mean every kHz was occupied. Some evenings it could take you five minutes to find an unoccupied spot to call CQ. The phone portion was even worse. Likewise 40m and 20m.
>
> Now you can tune 25-50 kHz and not hear a single signal.
>
> Similarly 2m after the advent of repeaters (1970). Morning and evening drive time had at least a half dozen or more repeaters in steady operation (Cincinnati area). Now I can listen and rarely hear any use even during drive time. I was talking with a ham in Colorado who has a mountain top repeater that no one has used in months.
>
> You say 10m is "full"????? I can still tune 25 or 50 kHz portions and not hear anything even in the popular segments although the band is very much open since I hear plenty of signals on the PSK frequency. I just tuned 28.6 to 29.1, a half megahertz, and didn't hear a single signal. The band certainly is not "full", at least according to my definition.
>

> The only time I hear the bands "full" is on a weekend with a major contest. It used to be that way even without a contest.
>
> Ken
>
> On Nov 22, 2011, at 12:42 PM, Dan Schaaf wrote:
>
> > What bands are you listening to ???
> > They seem to be quite full.
> > Especially 10 and 12 meters
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com
> >
> >
> > ----- Original Message -----
> > From: WA8JXM
> > To: ham-antennas@yahoogroups.com
> > Sent: Tuesday, November 22, 2011 12:09 PM
> > Subject: Re: [ham-antennas] ham licenses-at-all-time-high
> >
> >
> >
> >
> > On Nov 22, 2011, at 12:01 PM, MIKE DURKIN wrote:
> >
> >> I didn't check the links .... but did the fact that you don't need code to be extra light?
> >
> > More hams than ever....and the bands are more empty than ever.... :(
> >
> > Ken
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com

> > Yahoo! Groups Links
> >
> >
> >
>

20746. Tower Restrictions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 00:54:59 UTC
From: Joe
Topic: 20746 Message: 20746

A question.

When a county has restrictions on towers. And their definition of a
tower is,,,

(9) TOWER. Any structure that is
designed and constructed primarily for the purpose
of supporting one (1) or more antennas, including
guy towers, monopole towers and self-supporting
lattice towers, including any support thereto.

OK, Now if the whole "Tower" is used as an antenna. as in a Hy-Tower,

http://www.dxengineering.com/images/examples/K0OK-HyTower_example.jpg
It looks like a tower, But it actually is an antenna. Not a tower that
is supporting 1 or more antennas.

Or to stretch this further, How about
a regular "Tower" that has a tribander on it. that again the tower is
loaded say shunt fed and the tribander is the capacity top hat., again
the tower is the antenna and not a tower.

http://1.bp.blogspot.com/_tWcsnP09Wj8/TDPne6Dco7I/AAAAAAAAB0Y/UEpW7fV5n10/s1600/The-details-of-the-shunt-feeding.png

It is an antenna not a tower true?

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

20747. Hay Out Their! ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 00:55:41 UTC
From: Ed Vignati
Topic: 20747 Message: 20747

Maybe you all should get a Chat Room going, this is about Antennas, it will help keep our e-mail box cleaner. Some of us belong to other groups and within 5 hours 32 are not about Antennas or anything pertaining to the Main Subject.

Thanks ED kj4fgi

[Non-text portions of this message have been removed]

20748. Re: [ham-antennas] Tower Restrictions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 01:01:34 UTC
From: Sebastian, W4AS
Topic: 20746 Message: 20748

This part: "designed and constructed PRIMARILY" has a great big hole!

What if you apply for, and obtain a permit for a chimney, or even a flagpole, and after it's inspected and approved, place an antenna on it? The primary purpose in this case, was clearly not for an antenna.

73 de Sebastian, W4AS

On Nov 22, 2011, at 7:54 PM, Joe wrote:

> A question.
>
> When a county has restrictions on towers. And their definition of a
> tower is,,,
>
> (9) TOWER. Any structure that is
> designed and constructed primarily for the purpose
> of supporting one (1) or more antennas, including
> guy towers, monopole towers and self-supporting
> lattice towers, including any support thereto.
>

20749. Re: [ham-antennas] Hay Out Their! ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 02:15:39 UTC
From: Dan Schaaf
Topic: 20747 Message: 20749

Did you mean HEY OUT THERE or is there Hay out there somewhere?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: Ed Vignati
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 7:55 PM
Subject: [ham-antennas] Hay Out Their! ham licenses-at-all-time-high

Maybe you all should get a Chat Room going, this is about Antennas, it will help keep our e-mail box cleaner. Some of us belong to other groups and within 5 hours 32 are not about Antennas or anything pertaining to the Main Subject.

Thanks ED kj4fgi

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20750. Re: [ham-antennas] Tower Restrictions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 03:28:48 UTC
From: Benjamin Straw - KC9UNS
Topic: 20746 Message: 20750

Yes I would say this has a big loop hole, I would also look at where you live, if you dont live within the city or town limits, most bylaws do not apply to unincorporated parts of those citys or towns. This would falls on the county's bylaws.
You see I live in a unincorporated part of town, with in the town limits you can't burn leaves due to the town pickup of those leaves... But here we, so we go by county law which says we can, to a point. I would check into that. As far as antenna if a structure was not ment to hold an antenna and you put one on the city/town can't say anything but if you create one of those things that are ment for an antenna then... well you get the jist.

Sent from my iPhone "Grammar mistakes are all on the iPhone"

On Nov 22, 2011, at 7:01 PM, "Sebastian, W4AS" <w4as@...> wrote:

> This part: "designed and constructed PRIMARILY" has a great big hole!
>
> What if you apply for, and obtain a permit for a chimney, or even a flagpole, and after it's inspected and approved, place an antenna on it? The primary purpose in this case, was clearly not for an antenna.
>
> 73 de Sebastian, W4AS
>
> On Nov 22, 2011, at 7:54 PM, Joe wrote:
>
> > A question.
> >
> > When a county has restrictions on towers. And their definition of a
> > tower is,,,
> >
> > (9) TOWER. Any structure that is
> > designed and constructed primarily for the purpose
> > of supporting one (1) or more antennas, including
> > guy towers, monopole towers and self-supporting
> > lattice towers, including any support thereto.
> >
>
>

[Non-text portions of this message have been removed]

20751. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 03:42:18 UTC
From: Walt
Topic: 20718 Message: 20751

Convince you? Seems to me that “you” were never covered in the Ham classes
I just recently took and passed the test for. Sorry fellows, but I do have other activities,
not the least of which is poor health. It has been 30 plus years since I listened to 10 meter
sideband prior to now, so I can’t say how it has been of recent times. My fixed income
and inability to do a lot of outdoor antenna work myself limits my on air time at present.
But I, as well as many others, will get there. I can’t jump in and do things in a day, but maybe
I can in a week or a month. And if I am struggling to get these things done, I am not sitting
in the shack making my presence on the air known. I would like the same considerations
that were given to others when they started in the hobby, so that one day I can reflect on
how changes have occurred. We as new Hams are no better or no worse than the others
who now call themselves old timers. Too often life gets in the way of what we want, but if we
strive to the same goals, maybe sooner or later we do get there.

Walt
KK4FAL
‘

From: WA8JXM
Sent: Tuesday, November 22, 2011 3:50 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] ham licenses-at-all-time-high

On Nov 22, 2011, at 3:36 PM, Sebastian, W4AS wrote:

> But it's not good for the hobby if old timers (I include myself - licensed for almost 35 years), continue the mantra of how things were different many years ago. That only serves to alienate people, and causes harm to all of us.

Sorry, Sebastian, I don't see that we are alienating anyone. I do think it is a legitimate concern that although our licensed numbers are almost 3x what they used to be, actual on the air activity is down. IMO, the licensed numbers hide the actual decline of the hobby.

Now if someone wants to convince me that we really have more people active, be it experimenting on short distance 1200 and 2300 MHz work, or in other activities that I don't see, that would be great.

Ken

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1873 / Virus Database: 2101/4630 - Release Date: 11/21/11

[Non-text portions of this message have been removed]

20752. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 05:14:48 UTC
From: Larry Tooley
Topic: 20718 Message: 20752

Thank GOD for oldtimers. We all need an 'Elmer' to help us out. The book knowledge and experience takes a looooooooong time to catch up to our Elmer who helps us get a rig, hook it up, learn on the air practices. The only book close is 'Understanding Amateur Radio' from the ARRL. eg Was running 70 watts AM calling my friends in town and they couldn't hear me. I called my Elmer and he came over. After laughing for 5 minutes, he showed me I had the microphone hooked to the antenna jack and the antenna to my microphone connector. Don't say 10-4, say Roger, on and on it goes.

Larry WA9G

----- Original Message -----
From: Walt
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 9:42 PM
Subject: Re: [ham-antennas] ham licenses-at-all-time-high

Convince you? Seems to me that “you” were never covered in the Ham classes I just recently took and passed the test for. Sorry fellows, but I do have other activities,
not the least of which is poor health. It has been 30 plus years since I listened to 10 meter
sideband prior to now, so I can’t say how it has been of recent times. My fixed income
and inability to do a lot of outdoor antenna work myself limits my on air time at present.
But I, as well as many others, will get there. I can’t jump in and do things in a day, but maybe
I can in a week or a month. And if I am struggling to get these things done, I am not sitting
in the shack making my presence on the air known. I would like the same considerations
that were given to others when they started in the hobby, so that one day I can reflect on
how changes have occurred. We as new Hams are no better or no worse than the others
who now call themselves old timers. Too often life gets in the way of what we want, but if we
strive to the same goals, maybe sooner or later we do get there.

Walt
KK4FAL
’

From: WA8JXM
Sent: Tuesday, November 22, 2011 3:50 PM

To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] ham licenses-at-all-time-high

On Nov 22, 2011, at 3:36 PM, Sebastian, W4AS wrote:

> But it's not good for the hobby if old timers (I include myself - licensed for almost 35 years), continue the mantra of how things were different many years ago. That only serves to alienate people, and causes harm to all of us.

Sorry, Sebastian, I don't see that we are alienating anyone. I do think it is a legitimate concern that although our licensed numbers are almost 3x what they used to be, actual on the air activity is down. IMO, the licensed numbers hide the actual decline of the hobby.

Now if someone wants to convince me that we really have more people active, be it experimenting on short distance 1200 and 2300 MHz work, or in other activities that I don't see, that would be great.

Ken

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1873 / Virus Database: 2101/4630 - Release Date: 11/21/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20753. Re: [ham-antennas] Hay Out Their! ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 05:19:50 UTC
From: Larry Tooley
Topic: 20747 Message: 20753

EEeeeeks! I think you are right Ed.
----- Original Message -----
From: Ed Vignati
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 22, 2011 6:55 PM
Subject: [ham-antennas] Hay Out Their! ham licenses-at-all-time-high

Maybe you all should get a Chat Room going, this is about Antennas, it
will help keep our e-mail box cleaner. Some of us belong to other groups and
within 5 hours 32 are not about Antennas or anything pertaining to the Main
Subject.

Thanks ED kj4fgi

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20754. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 05:36:59 UTC
From: Robert Costa, KB6QXM
Topic: 20754 Message: 20754

The ham licenses at a all time high. It is a no-brainer. If you lower the bar by eliminating the code test and dumbing down the theory, of course you are going to get more hams. Better, more qualified hams, that is open for debate.

73

----- Reply message -----
From: "Walt" <WWILSON@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] ham licenses-at-all-time-high
Date: Tue, Nov 22, 2011 7:42 pm
Convince you? Seems to me that “you” were never covered in the Ham classes

I just recently took and passed the test for. Sorry fellows, but I do have other activities,

not the least of which is poor health. It has been 30 plus years since I listened to 10 meter

sideband prior to now, so I can’t say how it has been of recent times. My fixed income

and inability to do a lot of outdoor antenna work myself limits my on air time at present.

But I, as well as many others, will get there. I can’t jump in and do things in a day, but maybe

I can in a week or a month. And if I am struggling to get these things done, I am not sitting

in the shack making my presence on the air known. I would like the same considerations

that were given to others when they started in the hobby, so that one day I can reflect on

how changes have occurred. We as new Hams are no better or no worse than the others

who now call themselves old timers. Too often life gets in the way of what we want, but if we

strive to the same goals, maybe sooner or later we do get there.

Walt

KK4FAL

‘

From: WA8JXM

Sent: Tuesday, November 22, 2011 3:50 PM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] ham licenses-at-all-time-high

On Nov 22, 2011, at 3:36 PM, Sebastian, W4AS wrote:

> But it's not good for the hobby if old timers (I include myself - licensed for almost 35 years), continue the mantra of how things were different many years ago. That only serves to alienate people, and causes harm to all of us.

Sorry, Sebastian, I don't see that we are alienating anyone. I do think it is a legitimate concern that although our licensed numbers are almost 3x what they used to be, actual on the air activity is down. IMO, the licensed numbers hide the actual decline of the hobby.

Now if someone wants to convince me that we really have more people active, be it experimenting on short distance 1200 and 2300 MHz work, or in other activities that I don't see, that would be great.

Ken

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2012.0.1873 / Virus Database: 2101/4630 - Release Date: 11/21/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20755. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-22 21:20:26 UTC
From: Jay Jordan
Topic: 20718 Message: 20755

I enjoy V/ UHF in the car and HT at home - I participate in at least a couple of HF contests - QRP in USIslands - and starting out in some NASOTA activities - enjoy making my own HF antennas. Fairly active all the way around but it's not an every day thing - as is with most hobbies (sorry one guy doesn't like the term hobby) but it is FUN ! and you meet alot of people you wouldn't normally meet . maybe next I'll try PSK-31 cause I stink at CW

Jay NX2C

You know, there are experimenters that have a license to test their projects on the air. There are QRPers who focus on one frequency. There are hikers and mountain climbers who get on the air and there are those who are happy to make 1 QSO or 2 per day. Most of these guys are not obliterating the airwaves.
Then there are the VHF guys who are not HFers and the VHF bands are not hopping 24/7 due to limited propagation.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

[Non-text portions of this message have been removed]

20756. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 10:56:58 UTC
From: Walt Wilson
Topic: 20754 Message: 20756

Where do you find that the current theory taught is "dumbed" down? Sounds like your saying that without CW and more advanced theory my license is not as good as yours

From: Robert Costa, KB6QXM
Sent: Wednesday, November 23, 2011 12:36 AM
To: ham-antennas@yahoogroups.com ; ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] ham licenses-at-all-time-high

The ham licenses at a all time high. It is a no-brainer. If you lower the bar by eliminating the code test and dumbing down the theory, of course you are going to get more hams. Better, more qualified hams, that is open for debate.

73

----- Reply message -----
From: "Walt" <WWILSON@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] ham licenses-at-all-time-high
Date: Tue, Nov 22, 2011 7:42 pm
Convince you? Seems to me that “you” were never covered in the Ham classes

I just recently took and passed the test for. Sorry fellows, but I do have other activities,

not the least of which is poor health. It has been 30 plus years since I listened to 10 meter

sideband prior to now, so I can’t say how it has been of recent times. My fixed income

and inability to do a lot of outdoor antenna work myself limits my on air time at present.

But I, as well as many others, will get there. I can’t jump in and do things in a day, but maybe

I can in a week or a month. And if I am struggling to get these things done, I am not sitting

in the shack making my presence on the air known. I would like the same considerations

that were given to others when they started in the hobby, so that one day I can reflect on

how changes have occurred. We as new Hams are no better or no worse than the others

who now call themselves old timers. Too often life gets in the way of what we want, but if we

strive to the same goals, maybe sooner or later we do get there.

Walt

KK4FAL

‘

From: WA8JXM

Sent: Tuesday, November 22, 2011 3:50 PM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] ham licenses-at-all-time-high

On Nov 22, 2011, at 3:36 PM, Sebastian, W4AS wrote:

> But it's not good for the hobby if old timers (I include myself - licensed for almost 35 years), continue the mantra of how things were different many years ago. That only serves to alienate people, and causes harm to all of us.

Sorry, Sebastian, I don't see that we are alienating anyone. I do think it is a legitimate concern that although our licensed numbers are almost 3x what they used to be, actual on the air activity is down. IMO, the licensed numbers hide the actual decline of the hobby.

Now if someone wants to convince me that we really have more people active, be it experimenting on short distance 1200 and 2300 MHz work, or in other activities that I don't see, that would be great.

Ken

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2012.0.1873 / Virus Database: 2101/4630 - Release Date: 11/21/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1873 / Virus Database: 2101/4633 - Release Date: 11/22/11

[Non-text portions of this message have been removed]

20757. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 11:22:47 UTC
From: kd8bbk@aol.com
Topic: 20718 Message: 20757

I wouldn't sign my name after a statement like that either. Shame on you.

Tony

20758. Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 11:29:10 UTC
From: kd8bbk
Topic: 20754 Message: 20758

I wouln't sign my name either after a statement like that. Shame on you. Just another dumb ham. Meet me on cw and I will run you in the mudd. Tony

--- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:
>
> The ham licenses at a all time high. It is a no-brainer. If you lower the bar by eliminating the code test and dumbing down the theory, of course you are going to get more hams. Better, more qualified hams, that is open for debate.
>
> 73
>
> ----- Reply message -----
> From: "Walt" <WWILSON@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] ham licenses-at-all-time-high
> Date: Tue, Nov 22, 2011 7:42 pm
> Convince you? Seems to me that â□□youâ□□ were never covered in the Ham classes
>
> I just recently took and passed the test for. Sorry fellows, but I do have other activities,
>
> not the least of which is poor health. It has been 30 plus years since I listened to 10 meter
>
> sideband prior to now, so I canâ□□t say how it has been of recent times. My fixed income
>
> and inability to do a lot of outdoor antenna work myself limits my on air time at present.
>
> But I, as well as many others, will get there. I canâ□□t jump in and do things in a day, but maybe
>
> I can in a week or a month. And if I am struggling to get these things done, I am not sitting
>
> in the shack making my presence on the air known. I would like the same considerations
>
> that were given to others when they started in the hobby, so that one day I can reflect on
>
> how changes have occurred. We as new Hams are no better or no worse than the others
>
> who now call themselves old timers. Too often life gets in the way of what we want, but if we
>
> strive to the same goals, maybe sooner or later we do get there.
>
>
>
> Walt
>
> KK4FAL

>
> â□□
>
>
>
> From: WA8JXM
>
> Sent: Tuesday, November 22, 2011 3:50 PM
>
> To: ham-antennas@yahoogroups.com
>
> Subject: Re: [ham-antennas] ham licenses-at-all-time-high
>
>
>
> On Nov 22, 2011, at 3:36 PM, Sebastian, W4AS wrote:
>
>
>
> > > But it's not good for the hobby if old timers (I include myself - licensed for almost 35 years), continue the mantra of how things were different many years ago. That only serves to alienate people, and causes harm to all of us.
>
>
>
> Sorry, Sebastian, I don't see that we are alienating anyone. I do think it is a legitimate concern that although our licensed numbers are almost 3x what they used to be, actual on the air activity is down. IMO, the licensed numbers hide the actual decline of the hobby.
>
>
>
> Now if someone wants to convince me that we really have more people active, be it experimenting on short distance 1200 and 2300 MHz work, or in other activities that I don't see, that would be great.
>
>
>
> Ken
>
>
>
> No virus found in this message.
>
> Checked by AVG - www.avg.com
>
> Version: 2012.0.1873 / Virus Database: 2101/4630 - Release Date: 11/21/11
>
>
>
> [Non-text portions of this message have been removed]
>

>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20759. Re: [ham-antennas] Tower Restrictions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 12:31:22 UTC
From: Frank Kirschner
Topic: 20746 Message: 20759

I would say that you are technically correct, and if I were evaluating permit applications for your local government, I'd say that an antenna is not a tower, because it doesn't *support* an antenna, it *is* an antenna. However, that distinction would probably be lost on the average government clerk. The Hy-Gain vertical looks like a tower supporting a vertical antenna or two at the top.

You might get away with one of the 43 ft vertical pole antennas or something like that that clearly isn't "tower-looking."

Let us know how it comes out.

73,
Frank
KF6E

[Non-text portions of this message have been removed]

20760. Re: [ham-antennas] Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 12:45:46 UTC
From: DVC3565@aol.com
Topic: 20718 Message: 20760

Mr. Moderator... could we please kill this thread..and get back
to antennas? I can listen to this crap on 75 M any night of the
week. Thank You!

In a message dated 11/23/2011 6:29:19 A.M. Eastern Standard Time,
kd8bbk@... writes:

I wouln't sign my name either after a statement like that. Shame on you.
Just another dumb ham. Meet me on cw and I will run you in the mudd. Tony

--- In _ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com)
, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:
>
> The ham licenses at a all time high. It is a no-brainer. If you lower
the bar by eliminating the code test and dumbing down the theory, of course
you are going to get more hams. Better, more qualified hams, that is open
for debate.
>
> 73
>
> ----- Reply message -----
> From: "Walt" <WWILSON@...>
> To: <_ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com)
>
> Subject: [ham-antennas] ham licenses-at-all-time-high
> Date: Tue, Nov 22, 2011 7:42 pm
> Convince you? Seems to me that â€œyouâ€□ were never covered in the Ham
classes
>
> I just recently took and passed the test for. Sorry fellows, but I do
have other activities,
>
> not the least of which is poor health. It has been 30 plus years since I
listened to 10 meter
>
> sideband prior to now, so I canâ€™t say how it has been of recent
times. My fixed income
>
> and inability to do a lot of outdoor antenna work myself limits my on
air time at present.
>
> But I, as well as many others, will get there. I canâ€™t jump in and do
things in a day, but maybe
>
> I can in a week or a month. And if I am struggling to get these things

done, I am not sitting
>
> in the shack making my presence on the air known. I would like the same considerations
>
> that were given to others when they started in the hobby, so that one day I can reflect on
>
> how changes have occurred. We as new Hams are no better or no worse than the others
>
> who now call themselves old timers. Too often life gets in the way of what we want, but if we
>
> strive to the same goals, maybe sooner or later we do get there.
>
>
>
> Walt
>
> KK4FAL

[Non-text portions of this message have been removed]

20761. Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 14:28:05 UTC
From: douganderson1950
Topic: 20718 Message: 20761

I'm with you, Larry. I'm grateful when an "old-timer" offers a helping hand. After four years in Amateur Radio (and a newly minted General), I'm finding that not having had an Elmer (until recently) really kept me from enjoying more of this hobby.

Old timers: be an Elmer. Mentor the new hams. Give presentations at local clubs showing those new Technicians the bigger world of HF. Teach classes that include the theory beyond just learning the answers to the questions in the pool.

The more we invest in people, the better Amateur Radio will be.

Doug W4DDA

PS. Although I'd looked into getting a license in the 80s, it wasn't until 2008 at a National Weather Service "Skywarn" storm spotter session that got me motivated to get a book and take the test. About half of the storm spotters at that session were Hams.

--- In ham-antennas@yahoogroups.com, "Larry Tooley" <wa9guu@...> wrote:
>
> Thank GOD for oldtimers. We all need an 'Elmer' to help us out. The book
> knowledge and experience takes a looooooooong time to catch up to our Elmer
> who helps us get a rig, hook it up, learn on the air practices. The only
> book close is 'Understanding Amateur Radio' from the ARRL. eg Was running
> 70 watts AM calling my friends in town and they couldn't hear me. I called
> my Elmer and he came over. After laughing for 5 minutes, he showed me I had
> the microphone hooked to the antenna jack and the antenna to my microphone
> connector. Don't say 10-4, say Roger, on and on it goes.
>
> Larry WA9G
>

20762. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 14:38:40 UTC
From: Jon Ermels
Topic: 20718 Message: 20762

But he did Tony. Shame on YOU.

73 de NØIGU
Jon

>_____
> From: "kd8bbk@..." <kd8bbk@...>
>To: ham-antennas@yahoogroups.com
>Sent: Wednesday, November 23, 2011 5:22 AM
>Subject: Re: [ham-antennas] ham licenses-at-all-time-high
>
>I wouldn't sign my name after a statement like that either. Shame on
>you.
>
>   Tony
>
>
>-----------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20763. Re: [ham-antennas] ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 15:10:34 UTC
From: Clive Lorton
Topic: 20754 Message: 20763

On 23 Nov 2011, at 10:56, Walt Wilson wrote:

> Where do you find that the current theory taught is "dumbed" down? Sounds like your saying that without CW and more advanced theory my license is not as good as yours
>
Sorry Walt this is not directed directly at you.

What I cant understand is why we all cant celebrate Ham Radio is on the up your side of the pond. The message is that its on the wain over here.

Please stop insulting each others ability and get back on subject "Ham-Antennas"

73, Clive g8poc

[Non-text portions of this message have been removed]

20764. Re: [ham-antennas] Re: Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 15:32:05 UTC
From: Ron Youvan
Topic: 20241 Message: 20764

Fred KD5PNT wrote:

> maybe the spreaders can be made from fibreglass rod or the smallest pvc pipe you can find
. have
> never tried it so have no idea how well it will work .

There is a better way!
see:
http://www.73cnc.com/product_p/ls100.htm

They also have 250 foot kits for ~$80
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20765. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 16:17:27 UTC
From: Ron Youvan
Topic: 20233 Message: 20765

Weston Fryatt wrote:

> No, I was meaning the Maximum Permissible Exposure to the people in and
> around the Metal Roof... You load that thing up with 1 kilowatts or so
> and you are effecting your body to high levels of RF. I'm just thinking
> of the safety side of things, not saying it can't be done.

> > > Health and safety before any other consideration.

Supplying any power to anything that can be touched can be a safety danger. OET-65 has a specific section devoted to HAM radio, Maximum Permissible Exposure is part of all HAM's teaching
and the license tests for quite some time for all USA HAMs General class and above, is is very a
serious matter.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20766. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 16:42:26 UTC
From: Ron Youvan
Topic: 20233 Message: 20766

Ed Stewart wrote:

> I have a 2 meter j-pole I am thinking of mounting right in the center of
> the meta roof on my house! any thoughts on this? Ed

If it's a half a meter above the roof it should not effect it's operation.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20767. AW: [ham-antennas] Re: Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 18:31:14 UTC
From: Siegfried Jackstien
Topic: 20241 Message: 20767

Or go in the next garden-shop and see for "amevo-rosenclips"

(Nederland brand name ...amevo sells all what you need for the
Garden)

Maybe name in your country is different ... but sure something similar can
be found on your location
(or just call amevo and order them from the Netherlands)

I made a folder in the photo-section (dg9bfc)

There I uploaded a picture from these clips

Rosenclips.jpg

They are use in agriculture to hold plants vertical (on wires or lines)

They are available in different size (so different impedance of ladderline
could be made from them)

And they cost almost nothing !!!

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ron Youvan
> Gesendet: Mittwoch, 23. November 2011 15:32
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Very long Open Wire Line ?
>
>
>
> Fred KD5PNT wrote:
>
> > maybe the spreaders can be made from fibreglass rod or the smallest pvc
> pipe you can find . have
> > never tried it so have no idea how well it will work .
>
> There is a better way!
> see:
> http://www.73cnc.com/product_p/ls100.htm
>
> They also have 250 foot kits for ~$80
> --
> Ron KA4INM - Ron KA4INM - Did you know ...

> ... that no-one ever reads these things?
>
>
>

20768. Re: Tower Restrictions

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-23 19:22:32 UTC
From: Mike Rodgers
Topic: 20746 Message: 20768

Reminds me of the guy that wanted several telephone poles for a loop.

No way, but for security lighting no problem. He put the lights midway and the loop on top!

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

20769. Re: [ham-antennas] Re: Very long Open Wire Line ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 04:14:36 UTC
From: Larry Tooley
Topic: 20241 Message: 20769

Had a friend use cheap plastic coat hangers to make his spacers.
Larry WA9G

----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 23, 2011 9:32 AM
Subject: Re: [ham-antennas] Re: Very long Open Wire Line ?

Fred KD5PNT wrote:

> maybe the spreaders can be made from fibreglass rod or the smallest pvc
pipe you can find . have
> never tried it so have no idea how well it will work .

There is a better way!
see:
http://www.73cnc.com/product_p/ls100.htm

They also have 250 foot kits for ~$80
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

20770. Re: [ham-antennas] Re: ham licenses-at-all-time-high

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 04:16:48 UTC
From: Larry Tooley
Topic: 20718 Message: 20770

Why you have become a wise oldtimer. hahahaha
----- Original Message -----
From: douganderson1950
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 23, 2011 8:28 AM
Subject: [ham-antennas] Re: ham licenses-at-all-time-high

I'm with you, Larry. I'm grateful when an "old-timer" offers a helping hand. After four years in Amateur Radio (and a newly minted General), I'm finding that not having had an Elmer (until recently) really kept me from enjoying more of this hobby.

Old timers: be an Elmer. Mentor the new hams. Give presentations at local clubs showing those new Technicians the bigger world of HF. Teach classes that include the theory beyond just learning the answers to the questions in the pool.

The more we invest in people, the better Amateur Radio will be.

Doug W4DDA

PS. Although I'd looked into getting a license in the 80s, it wasn't until 2008 at a National Weather Service "Skywarn" storm spotter session that got me motivated to get a book and take the test. About half of the storm spotters at that session were Hams.

--- In ham-antennas@yahoogroups.com, "Larry Tooley" <wa9guu@...> wrote:
>
> Thank GOD for oldtimers. We all need an 'Elmer' to help us out. The book
> knowledge and experience takes a looooooooong time to catch up to our
Elmer
> who helps us get a rig, hook it up, learn on the air practices. The only
> book close is 'Understanding Amateur Radio' from the ARRL. eg Was
running
> 70 watts AM calling my friends in town and they couldn't hear me. I
called
> my Elmer and he came over. After laughing for 5 minutes, he showed me I
had
> the microphone hooked to the antenna jack and the antenna to my
microphone
> connector. Don't say 10-4, say Roger, on and on it goes.
>
> Larry WA9G
>

[Non-text portions of this message have been removed]

20771. #18 vs. #14 window line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 06:41:01 UTC
From: s3hampton
Topic: 20771 Message: 20771

Is there an advantage to use #14 over #18 window line? (Both examples would be 450 Ohm impedance.)

Is there an advantage to use #14 450 Ohm window line over #18 300 Ohm window line?

My problem: I have a loop antenna that operates POORLY on 75 meters, compared to my original loop and a simple dipole. (The new loop is about 10 dB worse than the original loop or a standard dipole!)

I am trying to figure out why this is!

My new loop is remote, so I have 220 feet of #18 wire type 300 Ohm window line feeding this new loop.

My older (original) loop is about the same height, but is fed with only 50 feet of 450 Ohm window line.

BOTH loop's wire is made with #14 THHN stranded wire.

- The new loop's feed-line DC resistance is slightly higher than the wire in the loop

- The original loop's feed-line DC resistance is less than HALF of the wire in the loop

Please read the information below. The answer to my puzzle is maybe more obvious that I have ignored??? (Is this is case of a simple voltage divider that is causing 2/3 of the power to be absorbed/dissipated by the feed-line???)

My point is that folks had said that 300 Ohm line was just as good as #14 450 Ohm line, and that the smaller 300 Ω stuff was even nicer as it has lower wind resistance, etc.

But, I look at the resistance in the LOOP itself, as compared to the resistance in the FEED-LINE... Boy, this is looking not as good as one might think! -Could my problem be this simple???

My NEW 1000 foot loop is fed with 220 feet of #18 300 Ohm line:

```
1000' #14 = 2.6 Ohm <-(Loop's wire)
440' #18 = 2.86 Ohm <-(Feed-line's wire)
-------------------
Total = 5.46 Ohm (Theoretical)
```

- My ORIGINAL 540 foot loop (the original "North loop") should be 1.4 Ω for the 550 feet of #14 wire, plus the 50 feet (100 feet of WIRE, total) lead-in, assuming this wire to be #18 size:

```
540' of #14 = 1.4 Ohm <-(Loop's wire)
100' of #18 = .65 Ohm <-(Feed-line's wire) (This actually might be larger wire)
-------------------
Total = 2.1 Ohm (Theoretical)
```

The interesting point is that the DC resistance ratio that I am seeing:

- The new loop's feed-line DC resistance is slightly higher than the wire in the loop

- The original loop's feed-line DC resistance is less than HALF of the wire in the loop

What I am getting at is the possible contributing factor might be the DC resistance of the two feed-lines, compared to the resistance of the wire in the actual loop antenna-wire:

- For the new loop, the 220 foot run of (#18) wire computes to about 3 Ohms
- The same 220 foot fun of #14 wire computes to 1.144 Ohms.

73!
-Mike-
KØJTA

20772. RE: [ham-antennas] #18 vs. #14 window line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 07:23:17 UTC
From: jo barden
Topic: 20771 Message: 20772

Now I probably have it all wrong but a doubling of resistance must be even higher inductance and a doubled R is a 4 fold reduction in I so that is 6db so given a bit for the inductance perhaps 10db is about right?

Wiser heads than mine will know for sure

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: mike@...
Date: Thu, 24 Nov 2011 06:41:01 +0000
Subject: [ham-antennas] #18 vs. #14 window line

Is there an advantage to use #14 over #18 window line? (Both examples would be 450 Ohm impedance.)

Is there an advantage to use #14 450 Ohm window line over #18 300 Ohm window line?

My problem: I have a loop antenna that operates POORLY on 75 meters, compared to my original loop and a simple dipole. (The new loop is about 10 dB worse than the original loop or a standard dipole!)

I am trying to figure out why this is!

My new loop is remote, so I have 220 feet of #18 wire type 300 Ohm window line feeding this new loop.

My older (original) loop is about the same height, but is fed with only 50 feet of 450 Ohm window line.

BOTH loop's wire is made with #14 THHN stranded wire.

- The new loop's feed-line DC resistance is slightly higher than the wire in the loop

- The original loop's feed-line DC resistance is less than HALF of the wire in the loop

Please read the information below. The answer to my puzzle is maybe more obvious that I have ignored??? (Is this is case of a simple voltage divider that is causing 2/3 of the power to be absorbed/dissipated by the feed-line???)

My point is that folks had said that 300 Ohm line was just as good as #14 450 Ohm line, and that the smaller 300 Ω stuff was even nicer as it has lower wind resistance, etc.

But, I look at the resistance in the LOOP itself, as compared to the resistance in the FEED-LINE... Boy, this is looking not as good as one might think! -Could my problem be this simple???

My NEW 1000 foot loop is fed with 220 feet of #18 300 Ohm line:

1000' #14 = 2.6 Ohm <-(Loop's wire)

440' #18 = 2.86 Ohm <-(Feed-line's wire)

Total = 5.46 Ohm (Theoretical)

- My ORIGINAL 540 foot loop (the original "North loop") should be 1.4 Ω for the 550 feet of #14 wire, plus the 50 feet (100 feet of WIRE, total) lead-in, assuming this wire to be #18 size:

540' of #14 = 1.4 Ohm <-(Loop's wire)

100' of #18 = .65 Ohm <-(Feed-line's wire) (This actually might be larger wire)

Total = 2.1 Ohm (Theoretical)

The interesting point is that the DC resistance ratio that I am seeing:

- The new loop's feed-line DC resistance is slightly higher than the wire in the loop

- The original loop's feed-line DC resistance is less than HALF of the wire in the loop

What I am getting at is the possible contributing factor might be the DC resistance of the two feed-lines, compared to the resistance of the wire in the actual loop antenna-wire:

- For the new loop, the 220 foot run of (#18) wire computes to about 3 Ohms

- The same 220 foot fun of #14 wire computes to 1.144 Ohms.

73!

-Mike-

K?JTA

[Non-text portions of this message have been removed]

20773. Re: [ham-antennas] Re: Metal Roof Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 12:54:03 UTC
From: Gary Stephenson
Topic: 20233 Message: 20773

Years ago I put a 102 inch whip in the middle and work 10 to 20 meter off it . I have a 7 element beam over top of my and it do not hurt tx or rx it is 11 fet above the roof.

Gary WW8O
----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 23, 2011 11:42 AM
Subject: Re: [ham-antennas] Re: Metal Roof Question

Ed Stewart wrote:

> I have a 2 meter j-pole I am thinking of mounting right in the center of
> the meta roof on my house! any thoughts on this? Ed

If it's a half a meter above the roof it should not effect it's operation.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

20774. Re: [ham-antennas] #18 vs. #14 window line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 12:55:12 UTC
From: WA8JXM
Topic: 20771 Message: 20774

Performs worse AT WHAT DISTANCES? The two may have very different radiation patterns/ angles.

Although relative DC resistance may be indicative or RF resistance, remember that due to skin effect at RF frequencies, they two are very different. I would guess that your issue is somewhere else, with radiation pattern, tuning, height above ground, etc.

Ken

On Nov 24, 2011, at 1:41 AM, s3hampton wrote:

> Is there an advantage to use #14 over #18 window line? (Both examples would be 450 Ohm impedance.)
>
> Is there an advantage to use #14 450 Ohm window line over #18 300 Ohm window line?
>
> My problem: I have a loop antenna that operates POORLY on 75 meters, compared to my original loop and a simple dipole. (The new loop is about 10 dB worse than the original loop or a standard dipole!)
>
> I am trying to figure out why this is!
>
> My new loop is remote, so I have 220 feet of #18 wire type 300 Ohm window line feeding this new loop.
>
> My older (original) loop is about the same height, but is fed with only 50 feet of 450 Ohm window line.
>
> BOTH loop's wire is made with #14 THHN stranded wire.
>
>
> - The new loop's feed-line DC resistance is slightly higher than the wire in the loop
>
> - The original loop's feed-line DC resistance is less than HALF of the wire in the loop
>
>
>
> Please read the information below. The answer to my puzzle is maybe more obvious that I have ignored??? (Is this is case of a simple voltage divider that is causing 2/3 of the power to be absorbed/dissipated by the feed-line???)
>
> My point is that folks had said that 300 Ohm line was just as good as #14 450 Ohm line, and that the smaller 300 Ω stuff was even nicer as it has lower wind resistance, etc.
>
> But, I look at the resistance in the LOOP itself, as compared to the resistance in the FEED-LINE... Boy, this is looking not as good as one might think! -Could my problem be this simple???
>
> My NEW 1000 foot loop is fed with 220 feet of #18 300 Ohm line:
>
> 1000' #14 = 2.6 Ohm <-(Loop's wire)

> 440' #18 = 2.86 Ohm <-(Feed-line's wire)
> --------------------
> Total = 5.46 Ohm (Theoretical)
>
>
> - My ORIGINAL 540 foot loop (the original "North loop") should be 1.4 Ω for the 550 feet of #14 wire, plus the 50 feet (100 feet of WIRE, total) lead-in, assuming this wire to be #18 size:
>
> 540' of #14 = 1.4 Ohm <-(Loop's wire)
> 100' of #18 = .65 Ohm <-(Feed-line's wire) (This actually might be larger wire)
> --------------------
> Total = 2.1 Ohm (Theoretical)
>
>
>
> The interesting point is that the DC resistance ratio that I am seeing:
>
> - The new loop's feed-line DC resistance is slightly higher than the wire in the loop
>
> - The original loop's feed-line DC resistance is less than HALF of the wire in the loop
>
> What I am getting at is the possible contributing factor might be the DC resistance of the two feed-lines, compared to the resistance of the wire in the actual loop antenna-wire:
>
> - For the new loop, the 220 foot run of (#18) wire computes to about 3 Ohms
> - The same 220 foot fun of #14 wire computes to 1.144 Ohms.
>
> 73!
> -Mike-
> KØJTA
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

20775. Re: [ham-antennas] #18 vs. #14 window line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 14:24:23 UTC
From: Artekmedia
Topic: 20771 Message: 20775

Mike

1) Don't immediately assume that the difference in performance is due to the feed line. Given the size difference , The two antennas will have entirely different performance characteristics. Radiation patterns, nulls , angle of take off will all be different rather like comparing apples and oranges and bigger is not always better. Are you feeding both loops in the middleat the bottom ? at the corners? on the sides? all will make a difference in take off angles. Bottom feed will give horizontal polarization (high angle take off. local communication) feeding at the sides will give you vertical polarization with lower take off angles suited for distant communication...and the list goes on

2) if the large loop is significantly mismatched to the 300ohm line the losses in the feed line will be higher to be sure .If we are talking 300ohm solid dielectric (no windows, i.e. what we used to call TV twin lead) vs 450 ohm window line the losses will be higher in the 300 ohm line. Assuming the line is matched to to the loop (unlikley) the losses at 3.5 MHz at 200 feet for the 300 ohm, line are on the order of .5dB (not much) vs less than .1db for the 450 Ohm window line. lets say the loop looks like 1200 ohms at the feed point .

3) For the sake of argument lets say the big loop has a feed point impedance of 1200 ohms this would give an SWR of 4:1 on the line at 3.5 mhz the losses due to the SWR at 3.5 MHz are less than an additional 2db (and S unit is 6db) so it is unlikely that you will be able to hear the difference.

4) the higher you go in frequency the greater the losses this same example above at 28 MHZ will have losses in the order of 6-10 db now you can begin to tell the difference at bit.

Before you jump to any conclusions about feed lines I would want to measure the feed point impedance and probably model the loops using a antenna modeling (EZNEC etc) program at the frequency of interest. to get an idea of what is probably really going on. My money is that the differences you are hearing have more to do with the radiation pattern differences of the two antennas first and feed point matching 2nd ...line loss while slightly higher with 300 twin lead is a distant 3rd

Good luck
73
Dave
NR1DX

On 11/24/2011 12:41 AM, s3hampton wrote:
>

> Is there an advantage to use #14 over #18 window line? (Both examples
> would be 450 Ohm impedance.)
>
> Is there an advantage to use #14 450 Ohm window line over #18 300 Ohm
> window line?
>
> My problem: I have a loop antenna that operates POORLY on 75 meters,
> compared to my original loop and a simple dipole. (The new loop is
> about 10 dB worse than the original loop or a standard dipole!)
>
> I am trying to figure out why this is!
>
> My new loop is remote, so I have 220 feet of #18 wire type 300 Ohm
> window line feeding this new loop.
>
> My older (original) loop is about the same height, but is fed with
> only 50 feet of 450 Ohm window line.
>
> BOTH loop's wire is made with #14 THHN stranded wire.
>
> - The new loop's feed-line DC resistance is slightly higher than the
> wire in the loop
>
> - The original loop's feed-line DC resistance is less than HALF of the
> wire in the loop
>
> Please read the information below. The answer to my puzzle is maybe
> more obvious that I have ignored??? (Is this is case of a simple
> voltage divider that is causing 2/3 of the power to be
> absorbed/dissipated by the feed-line???)
>
> My point is that folks had said that 300 Ohm line was just as good as
> #14 450 Ohm line, and that the smaller 300 Ω stuff was even nicer
> as it has lower wind resistance, etc.
>
> But, I look at the resistance in the LOOP itself, as compared to the
> resistance in the FEED-LINE... Boy, this is looking not as good as one
> might think! -Could my problem be this simple???
>
> My NEW 1000 foot loop is fed with 220 feet of #18 300 Ohm line:
>
> 1000' #14 = 2.6 Ohm <-(Loop's wire)
> 440' #18 = 2.86 Ohm <-(Feed-line's wire)
> ----------
> Total = 5.46 Ohm (Theoretical)
>
> - My ORIGINAL 540 foot loop (the original "North loop") should be 1.4
> Ω for the 550 feet of #14 wire, plus the 50 feet (100 feet of
> WIRE, total) lead-in, assuming this wire to be #18 size:

>
> 540' of #14 = 1.4 Ohm <-(Loop's wire)
> 100' of #18 = .65 Ohm <-(Feed-line's wire) (This actually might be
> larger wire)
> ----------
> Total = 2.1 Ohm (Theoretical)
>
> The interesting point is that the DC resistance ratio that I am seeing:
>
> - The new loop's feed-line DC resistance is slightly higher than the
> wire in the loop
>
> - The original loop's feed-line DC resistance is less than HALF of the
> wire in the loop
>
> What I am getting at is the possible contributing factor might be the
> DC resistance of the two feed-lines, compared to the resistance of the
> wire in the actual loop antenna-wire:
>
> - For the new loop, the 220 foot run of (#18) wire computes to about 3
> Ohms
> - The same 220 foot fun of #14 wire computes to 1.144 Ohms.
>
> 73!
> -Mike-
> KØJTA
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20776. Fan dipole for WARC bands

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 16:30:56 UTC
From: Robert KB6QXM
Topic: 20776 Message: 20776

All,

I have an alpha delta DX-cc antenna. I would like to build an antenna that looks like the DX-cc but built for 30,17 and 12 meters. Anyone here done this and documented it?

Anyone add 160 meters to their DX-cc antennas?

[Non-text portions of this message have been removed]

20777. Re: [ham-antennas] Fan dipole for WARC bands

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 17:08:33 UTC
From: dean
Topic: 20776 Message: 20777

There are a few web pages that show how to do this.
http://www.hamuniverse.com/multidipole.html It doesn't show the WARC bands but you can simply substitute those for the ones it shows or add them to the antenna. I have a 75/80 /40 meter fan dipole and it works on most frequencies. Not working on 6 or 20 meters without an external tuner.

More pages, I just put in fan dipole in google

http://www.hamuniverse.com/ae5jumultibanddipole.html

How to make it for your frequency http://www.eham.net/articles/12399

http://wa2hip.com/jrpetro/My_Fan_Dipole_Projects.shtml

Hope you have fun with the hobby.

73, WY6L

From: Robert KB6QXM
Sent: Thursday, November 24, 2011 8:30 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Fan dipole for WARC bands

All,

I have an alpha delta DX-cc antenna. I would like to build an antenna that looks like the DX-cc but built for 30,17 and 12 meters. Anyone here done this and documented it?

Anyone add 160 meters to their DX-cc antennas?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20778. Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 17:16:10 UTC
From: Robert KB6QXM
Topic: 20778 Message: 20778

All,

Thank you for your links. I will attempt to build an antenna for what the DX-cc is not built for. 160, 60, 30, 17 and 12.

That will give me the other 5 bands I do not have on the DX-cc.

[Non-text portions of this message have been removed]

20779. Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 17:43:33 UTC
From: dean
Topic: 20778 Message: 20779

One of the things you can do is make the frequencies you do not have and make that antenna E/W and connect all the dipoles together. One feed line and a lot of frequencies. Sounds so good.

From: Robert KB6QXM
Sent: Thursday, November 24, 2011 9:16 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12

All,

Thank you for your links. I will attempt to build an antenna for what the DX-cc is not built for. 160, 60, 30, 17 and 12.

That will give me the other 5 bands I do not have on the DX-cc.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20780. RE: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 17:44:16 UTC
From: MIKE DURKIN
Topic: 20778 Message: 20780

shouldn't the 160m dipole cover 60m too?

To: ham-antennas@yahoogroups.com
From: kb6qxm@...
Date: Thu, 24 Nov 2011 09:16:10 -0800
Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12

All,

Thank you for your links. I will attempt to build an antenna for what the DX-cc is not built for. 160, 60, 30, 17 and 12.

That will give me the other 5 bands I do not have on the DX-cc.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20781. Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 18:22:01 UTC
From: Artekmedia
Topic: 20781 Message: 20781

As I said in an earlier post I have been away from this hobby almost 10 years. One of the things I enjoy most is tinkering with and designing antennas ...For may years I ran the old DOS based versions of EZNEC but that was 10 years ago with then 10 year old software :-) . I cant even find the disks anymore and I suspect the technology has moved on .

Here is my question what software do you use and like for antenna modeling? MY apologies if this has been beat to death in the past, but going bAck through the email archives the last two years yielded nothing in my search on comparative comments on modeling software ...

If you have EZNEC-5+ was the extra segments worth the money over EZNEC 5.0)?

Is EZNEC really the only game in town these days or have other contenders emerged?

Dave

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

20782. Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 18:24:09 UTC
From: Robert KB6QXM
Topic: 20782 Message: 20782

60 meters is not a harmonic of 160. So no.

----- Reply message -----
From: "MIKE DURKIN" <Patriot121@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
Date: Thu, Nov 24, 2011 9:44 am

shouldn't the 160m dipole cover 60m too?

To: ham-antennas@yahoogroups.com
From: kb6qxm@...
Date: Thu, 24 Nov 2011 09:16:10 -0800
Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12

All,

Thank you for your links. I will attempt to build an antenna for what the DX-cc is not built for. 160, 60, 30, 17 and 12.

That will give me the other 5 bands I do not have on the DX-cc.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20783. Welcome back to the hobby Dave

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 18:27:56 UTC
From: Robert KB6QXM
Topic: 20783 Message: 20783

Dave,

10 years away from the hobby, that's nothing. LOL. I have been without a station for 21 years.

At least I came back when the solar flux numbers are going back up.

[Non-text portions of this message have been removed]

20784. RE: [ham-antennas] Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 18:24:02 UTC
From: MIKE DURKIN
Topic: 20781 Message: 20784

mmana-gal .... spelling is not right but google will find it ...

To: ham-antennas@yahoogroups.com
From: nr1dx@...
Date: Thu, 24 Nov 2011 12:22:01 -0600
Subject: [ham-antennas] Antenna modeling software ????

As I said in an earlier post I have been away from this hobby almost 10

years. One of the things I enjoy most is tinkering with and designing

antennas ...For may years I ran the old DOS based versions of EZNEC but

that was 10 years ago with then 10 year old software :-) . I cant even

find the disks anymore and I suspect the technology has moved on .

Here is my question what software do you use and like for antenna

modeling? MY apologies if this has been beat to death in the past, but

going bAck through the email archives the last two years yielded nothing

in my search on comparative comments on modeling software ...

If you have EZNEC-5+ was the extra segments worth the money over EZNEC 5.0)?

Is EZNEC really the only game in town these days or have other

contenders emerged?

Dave

--

Dave& Lynn Henderson

Manuals@ArtekMedia.com

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

20785. Re: [ham-antennas] Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 18:36:09 UTC
From: Benjamin Straw - KC9UNS
Topic: 20781 Message: 20785

I would say mmana-gal from http://hamsoft.ca/ but is is a bit confusing to use. Now http://www.ve3sqb.com/ has some good software for different types of antennas that are easy to use for the novice antenna builder.
Ben KC9UNS

Sent from my iPhone "Grammar mistakes are all on the iPhone"

On Nov 24, 2011, at 12:24 PM, MIKE DURKIN <Patriot121@...> wrote:

> mmana-gal

20786. Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 18:53:29 UTC
From: Dan Schaaf
Topic: 20782 Message: 20786

??????????????????????????
1.8 MHz x 3 = 5.4 MHz
Harmonic !!!

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: Robert KB6QXM
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 24, 2011 1:24 PM
Subject: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

60 meters is not a harmonic of 160. So no.

----- Reply message -----
From: "MIKE DURKIN" <Patriot121@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
Date: Thu, Nov 24, 2011 9:44 am

shouldn't the 160m dipole cover 60m too?

To: ham-antennas@yahoogroups.com
From: kb6qxm@...
Date: Thu, 24 Nov 2011 09:16:10 -0800
Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12

All,

Thank you for your links. I will attempt to build an antenna for what the DX-cc is not built for. 160, 60, 30, 17 and 12.

That will give me the other 5 bands I do not have on the DX-cc.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20787. Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 18:59:15 UTC
From: Robert KB6QXM
Topic: 20782 Message: 20787

Oops, I stand corrected.

----- Reply message -----
From: "Dan Schaaf" <dan-schaaf@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
Date: Thu, Nov 24, 2011 10:53 am
??????????????????????????

1.8 MHz x 3 = 5.4 MHz

Harmonic !!!

Best Regards

Dan Schaaf

K3ZXL www.k3zxl.com

----- Original Message -----

From: Robert KB6QXM

To: ham-antennas@yahoogroups.com

Sent: Thursday, November 24, 2011 1:24 PM

Subject: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

60 meters is not a harmonic of 160. So no.

----- Reply message -----

From: "MIKE DURKIN" <Patriot121@...>

To: <ham-antennas@yahoogroups.com>

Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Date: Thu, Nov 24, 2011 9:44 am

shouldn't the 160m dipole cover 60m too?

To: ham-antennas@yahoogroups.com

From: kb6qxm@...

Date: Thu, 24 Nov 2011 09:16:10 -0800

Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12

All,

Thank you for your links. I will attempt to build an antenna for what the DX-cc is not built for. 160, 60, 30, 17 and 12.

That will give me the other 5 bands I do not have on the DX-cc.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20788. Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 19:09:03 UTC
From: Richard Solomon
Topic: 20782 Message: 20788

Third ??

73, Dick, W1KSZ

On Thu, Nov 24, 2011 at 11:24 AM, Robert KB6QXM <kb6qxm@...> wrote:

> **
>
>
> 60 meters is not a harmonic of 160. So no.
>
> ----- Reply message -----
> From: "MIKE DURKIN" <Patriot121@msn.com>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
> Date: Thu, Nov 24, 2011 9:44 am
>
> shouldn't the 160m dipole cover 60m too?
>
> To: ham-antennas@yahoogroups.com
> From: kb6qxm@...
> Date: Thu, 24 Nov 2011 09:16:10 -0800
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
> All,
>
> Thank you for your links. I will attempt to build an antenna for what the
> DX-cc is not built for. 160, 60, 30, 17 and 12.
>
> That will give me the other 5 bands I do not have on the DX-cc.
>
> [Non-text portions of this message have been removed]
>
>
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

20789. RE: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 19:18:57 UTC
From: MIKE DURKIN
Topic: 20782 Message: 20789

harmonic

> To: ham-antennas@yahoogroups.com
> From: dickw1ksz@...
> Date: Thu, 24 Nov 2011 12:09:03 -0700
> Subject: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
> Third ??
>
> 73, Dick, W1KSZ
>
> On Thu, Nov 24, 2011 at 11:24 AM, Robert KB6QXM <kb6qxm@...> wrote:
>
> > **
> > >
> > >
> > > 60 meters is not a harmonic of 160. So no.
> > >
> > > ----- Reply message -----
> > > From: "MIKE DURKIN" <Patriot121@...>
> > > To: <ham-antennas@yahoogroups.com>
> > > Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
> > > Date: Thu, Nov 24, 2011 9:44 am
> > >
> > > shouldn't the 160m dipole cover 60m too?
> > >
> > > To: ham-antennas@yahoogroups.com
> > > From: kb6qxm@...
> > > Date: Thu, 24 Nov 2011 09:16:10 -0800
> > > Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
> > >
> > > All,
> > >
> > > Thank you for your links. I will attempt to build an antenna for what the
> > > DX-cc is not built for. 160, 60, 30, 17 and 12.
> > >
> > > That will give me the other 5 bands I do not have on the DX-cc.
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > > ------------------------------------

> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

20790. Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 19:21:23 UTC
From: dean
Topic: 20782 Message: 20790

My 75/80 and my 40 meter (inverted V fan dipole) works on 10, 12, and 15 meters without a tuner. External tuner it works well on 17 and not so well on 20 meters but that is what the beam is for.

I have not tried 30 meters as of yet. That is just two wires up. 75/80 N/S and 40 M E/W.

Of course what works for me might not work for someone else.

Happy Turkey Day

73, WY6L

-----Original Message-----
From: Richard Solomon
Sent: Thursday, November 24, 2011 11:09 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Third ??

73, Dick, W1KSZ

On Thu, Nov 24, 2011 at 11:24 AM, Robert KB6QXM <kb6qxm@...> wrote:

> **
>
>
> 60 meters is not a harmonic of 160. So no.
>
> ----- Reply message -----
> From: "MIKE DURKIN" <Patriot121@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
> Date: Thu, Nov 24, 2011 9:44 am
>
> shouldn't the 160m dipole cover 60m too?
>
> To: ham-antennas@yahoogroups.com
> From: kb6qxm@...
> Date: Thu, 24 Nov 2011 09:16:10 -0800
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
> All,
>
> Thank you for your links. I will attempt to build an antenna for what the
> DX-cc is not built for. 160, 60, 30, 17 and 12.

>
> That will give me the other 5 bands I do not have on the DX-cc.
>
> [Non-text portions of this message have been removed]
>
>
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20791. RE: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 19:21:36 UTC
From: MIKE DURKIN
Topic: 20782 Message: 20791

what always catches me is almost 3rd harmonic ... but not quite close enough to do with out a tuner ..

To: ham-antennas@yahoogroups.com
From: kb6qxm@yahoo.com
Date: Thu, 24 Nov 2011 10:59:15 -0800
Subject: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Oops, I stand corrected.

----- Reply message -----

From: "Dan Schaaf" <dan-schaaf@...>

To: <ham-antennas@yahoogroups.com>

Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Date: Thu, Nov 24, 2011 10:53 am

??????????????????????????

1.8 MHz x 3 = 5.4 MHz

Harmonic !!!

Best Regards

Dan Schaaf

K3ZXL www.k3zxl.com

----- Original Message -----

From: Robert KB6QXM

To: ham-antennas@yahoogroups.com

Sent: Thursday, November 24, 2011 1:24 PM

Subject: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

60 meters is not a harmonic of 160. So no.

----- Reply message -----

From: "MIKE DURKIN" <Patriot121@...>

To: <ham-antennas@yahoogroups.com>

Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Date: Thu, Nov 24, 2011 9:44 am

shouldn't the 160m dipole cover 60m too?

To: ham-antennas@yahoogroups.com

From: kb6qxm@...

Date: Thu, 24 Nov 2011 09:16:10 -0800

Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12

All,

Thank you for your links. I will attempt to build an antenna for what the DX-cc is not built for. 160, 60, 30, 17 and 12.

That will give me the other 5 bands I do not have on the DX-cc.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20792. Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 19:35:12 UTC
From: Dan Schaaf
Topic: 20782 Message: 20792

So, use a tuner !

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: "MIKE DURKIN" <Patriot121@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, November 24, 2011 2:21 PM
Subject: RE: [ham-antennas] Fan dipole for 60, 30, 17 and 12

> what always catches me is almost 3rd harmonic ... but not quite close
> enough to do with out a tuner ..
>
> To: ham-antennas@yahoogroups.com
> From: kb6qxm@...
> Date: Thu, 24 Nov 2011 10:59:15 -0800
> Subject: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Oops, I stand corrected.
>
>

>
> ----- Reply message -----
>
> From: "Dan Schaaf" <dan-schaaf@...>
>
> To: <ham-antennas@yahoogroups.com>
>
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
> Date: Thu, Nov 24, 2011 10:53 am
>
> ??????????????????????????
>
>
>
> 1.8 MHz x 3 = 5.4 MHz
>
>
>
> Harmonic !!!
>
>
>
>
>
>
>
>
> Best Regards
>
>
>
> Dan Schaaf
>
>
>
> K3ZXL www.k3zxl.com
>
>
>
>
>
>
>
>
> ----- Original Message -----
>
>
>
> From: Robert KB6QXM
>
>

> To: ham-antennas@yahoogroups.com
> Sent: Thursday, November 24, 2011 1:24 PM
> Subject: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12
> 60 meters is not a harmonic of 160. So no.
> ----- Reply message -----
> From: "MIKE DURKIN" <Patriot121@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
> Date: Thu, Nov 24, 2011 9:44 am
> shouldn't the 160m dipole cover 60m too?

> To: ham-antennas@yahoogroups.com
>
> From: kb6qxm@...
>
> Date: Thu, 24 Nov 2011 09:16:10 -0800
>
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
> All,
>
> Thank you for your links. I will attempt to build an antenna for what the
> DX-cc is not built for. 160, 60, 30, 17 and 12.
>
> That will give me the other 5 bands I do not have on the DX-cc.
>

>
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
> ------------------------------------
>
>
>
>
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>
>
>
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
>
>
>
> Post message: ham-antennas@yahoogroups.com
>
>
>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
>
>
>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>
>
>
> List owner: ham-antennas-owner@yahoogroups.com
>

> Yahoo! Groups Links
> [Non-text portions of this message have been removed]
> [Non-text portions of this message have been removed]
> [Non-text portions of this message have been removed]

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

20793. Re: [ham-antennas] Welcome back to the hobby Dave

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 20:22:59 UTC
From: Ed Stewart
Topic: 20783 Message: 20793

I got my first license K3SFA in 1961 and was active for many years here in Pa. I then spent time of inactivity in California working and let it laspe for over a year past renewal, got the novice call of KN3BFO , Used it up without going any farther, Last Monday I took the Tech and passed then the general test, but missed the general by two questions. I am waiting for the new call sign now, so will be back on the air soon, going for the general and or the advanced in spring. Ed

On 11/24/2011 01:27 PM, Robert KB6QXM wrote:
>
> Dave,
>
> 10 years away from the hobby, that's nothing. LOL. I have been without
> a station for 21 years.
>
> At least I came back when the solar flux numbers are going back up.
>
> [Non-text portions of this message have been removed]
>
>

--

[Non-text portions of this message have been removed]

20794. Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-24 21:02:41 UTC
From: WA8JXM
Topic: 20782 Message: 20794

Nothing against a fan dipole, but when you really want to cover all ten bands, I tend to favor a single dipole on the lowest band fed with open wire to a balun and tuner.

If your rig has a tuner, it might well match the load on all bands. Run a short section of coax outside to the balun and that simplifies the installation.

Actually for ease of feeding, something a little shorter (or longer) than a full half wave is easier to match.

Ken WA8JXM

On Nov 24, 2011, at 2:21 PM, dean wrote:

> My 75/80 and my 40 meter (inverted V fan dipole) works on 10, 12, and 15
> meters without a tuner. External tuner it works well on 17 and not so well
> on 20 meters but that is what the beam is for.

20795. Re: [ham-antennas] #18 vs. #14 window line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 00:20:28 UTC
From: Ron Youvan
Topic: 20771 Message: 20795

s3hampton wrote:

> Is there an advantage to use #14 over #18 window line? (Both examples would be 450 Ohm impedance.)

You an get AWG 14 wire at the home improvement stores (in 500' spools if you wish) and use "ladder snap" insulators to make open wire feed line, they only fit #14. This is 600 Ohm line!

> Is there an advantage to use #14 450 Ohm window line over #18 300 Ohm window line?

Slightly lower loss (450 Ohm) but 600 Ohm line made with AWG 14 wire and "ladder snap" insulators
will have lower loss and wind loading and be less visible. (if white wire and insulator are used)
/*snip*/
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20796. Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 00:34:44 UTC
From: Jon Ermels
Topic: 20782 Message: 20796

I have a 160M dipole fed with coax and the tuner in my radio tunes it and it works just fine.

73 de NØIGU
Jon

>_____
> From: Robert KB6QXM <kb6qxm@...>
>To: ham-antennas@yahoogroups.com
>Sent: Thursday, November 24, 2011 12:24 PM
>Subject: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
>60 meters is not a harmonic of 160. So no.
>
>----- Reply message -----
>From: "MIKE DURKIN" <Patriot121@...m>
>To: <ham-antennas@yahoogroups.com>
>Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>Date: Thu, Nov 24, 2011 9:44 am
>
>
>shouldn't the 160m dipole cover 60m too?
>
>
>To: ham-antennas@yahoogroups.com
>From: kb6qxm@...
>Date: Thu, 24 Nov 2011 09:16:10 -0800
>Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>   All,
>
>
>
>Thank you for your links. I will attempt to build an antenna for what the DX-cc is not built for. 160, 60, 30, 17 and 12.
>
>
>
>That will give me the other 5 bands I do not have on the DX-cc.
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>

>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20797. FW: [Antennas] 2m antenna for airborne transmitter?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 00:53:51 UTC
From: Chris Boone
Topic: 20797 Message: 20797

```
>
> A mini wheel is what we use in SE Texas.......radiates DOWN
ok.....vertical will
> have NULL directly below..NOT a good choice.
>
> Chris
> WB5ITT
>
> > -----Original Message-----
> > From: antennas-bounces@... [mailto:antennas-
> > bounces@...] On Behalf Of Florin Andrei
> > Sent: Wednesday, November 23, 2011 1:41 AM
> > To: antennas@...
> > Subject: [Antennas] 2m antenna for airborne transmitter?
> >
> > I am putting together plans to launch a high-altitude balloon some
> > time next year. It may reach 30km altitude, covering 1x ... 10x as
> > much ground horizontally, for a total flight duration of 2 ... 3
> > hours. The payload is supposed to gather various data (temperature,
> > pressure, humidity, etc.) and log it locally to an SD card. GPS data
> > will be relayed to the ground over APRS on 144.390MHz. The brain of
> > the payload will be an Arduino. The transmitter will probably be one
> > of those lightweight small modules that take 5V CMOS input on one pin
> > and modulate a 50ohm RF output on another pin - something similar to
> > this:
> >
> > http://www.radiometrix.com/content/hx1
> >
> > I intend to relay GPS data to the existing APRS network on the ground,
> > and track the payload from an Internet-connected portable device. But
> > the tracking vehicle will also be equipped with an FT-817 and a laptop
> > and will receive and decode APRS data from the balloon independently,
> > as a backup system. I still need to fine tune many details related to
> > APRS itself, since I've never done it before, but that's another topic
> > for another forum. I live in the San Francisco Bay Area, so at least
> > for a while the payload will fly above a dense APRS network.
> >
> > The thing is, I'm not sure what's the best antenna to use on the
balloon.
> >
> > Obviously, it needs to be as lightweight as possible. The balloon
> > doesn't generate much lift, so any weight savings are welcome.
> >
> > Large, rigid, sprawling structures are not good either, even when they
> > are not heavy. There are strong winds at high altitudes, and a large
```

> > antenna may spin the payload excessively.
> >
> > Ideally, I'd like the antenna to more or less survive touchdown after
> > a long descent on a parachute - this is in case I lose signal on the
> > last part of the trajectory, I'd like the beacon to keep transmitting
> > after touchdown, so I can locate it with my transceiver in the woods
> > or on a farm or wherever it may fall.
> >
> > Finally, the radiation pattern should be a big wide lobe, facing
> > downward, extending from horizon to horizon in all directions. That, I
> > guess, is probably not 100% realistic, but I'd like to stay close to
> > the ideal.
> >
> > One thing I could think of is a 1/4 wave ground-plane whip. I could
> > use thin aluminum tubes to make the elements. Should I keep the
> > "ground plane" elements parallel to the ground, or should I bend them
> > 45deg upward?
> >
> > Another idea: the balloon could trail a thin long wire. That design
> > works okay in HF, but I'm not sure how to make it work in 2m, with a
> > 50ohm output transmitter, lacking a true ground connection.
> >
> > For the tracking vehicle, again, probably a 1/4 wave ground plane?
> > Aiming at the balloon with a 2m Yagi from a moving sedan - that
> > doesn't sound like a sane idea to me. :)
> >
> > Any suggestions, comments, hints, are appreciated. Thank you.
> >
> > --
> > Florin Andrei
> > KG6YHQ
> > http://florin.myip.org/
> >
> --
> > ____
> > Antennas mailing list
> > Home: http://mailman.qth.net/mailman/listinfo/antennas
> > Help: http://mailman.qth.net/mmfaq.htm
> > Post: mailto:Antennas@...
> >
> > This list hosted by: http://www.qsl.net
> > Please help support this email list: http://www.qsl.net/donate.html

20798. "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 03:22:29 UTC
From: Dale H. Cole K8TS
Topic: 20798 Message: 20798

Boy, do I have a dislike for that attitude.

Let me explain:

As we grow older (first license in '72,)we have to expect change. We used to have the opportunity to hold more than one license. We used to have to sign /* and change our call every time we moved. The FCC, even as it creeps along, makes changes. The new hams that enter our ranks are not necessary "dummer" than we are.

We have had to learn more to keep up with the new hams of today. Remember when "flip flops" were a shoe, and a "diode" was when you passed away?

Were we tested on computer packet systems? How about "usb" or "com ports". No. We had to learn them. The new ham is already using them, or in many cases that is past history that they used years ago, and since then have moved on to even higher technologies. In my time I do not ever remember being tested on Smith Charts--I go to the new hams to interpret (and sometimes have drawn) for me. How about the "Doppler shift", not on the old tests, now eight grade stuff for those coming up. Who remembers apogees on their old tests. Bet some of the people in this group have had to ask someone (newer ham?) about them.

Had to throw up a tower in the past? Now we have to use (whether we like it or not) an engineering inspector to make sure we do not shoot our self in the foot. Sometimes they might be right. Laws change. Technology changes.

CW? see how many competitors you have this weekend in CQWW CW. It is supposed to be dead. DSB? It would never be replaced by that new SSB.

Sometimes us "old roosters" have to be kicked in the "a**", told that what we said was impossible, and watch how easily it can be done by today's standards. "Dummer no, Smarter, yes.

Remember that the next time you sit behind your D-104 chatting on 80 with your Drake, while texting a friend 2000 miles away on your cell phone.

Just My Humble Opinion,

Dale K8TS

(good in QRZ, not sure about The Flying Horse)

[Non-text portions of this message have been removed]

20799. Re: [ham-antennas] FW: [Antennas] 2m antenna for airborne transmitter?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 04:21:10 UTC
From: Larry Tooley
Topic: 20797 Message: 20799

Maybe you could spray paint part of the baloon silver and use it as the antenna. Or you could use a wire(s) guy wire as the antenna.
Larry
WA9G
----- Original Message -----
From: Chris Boone
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 24, 2011 6:53 PM
Subject: [ham-antennas] FW: [Antennas] 2m antenna for airborne transmitter?

> A mini wheel is what we use in SE Texas.......radiates DOWN ok.....vertical will
> have NULL directly below..NOT a good choice.
>
> Chris
> WB5ITT
>
> > -----Original Message-----
> > From: antennas-bounces@... [mailto:antennas-
> > bounces@...] On Behalf Of Florin Andrei
> > Sent: Wednesday, November 23, 2011 1:41 AM
> > To: antennas@...
> > Subject: [Antennas] 2m antenna for airborne transmitter?
> >
> > I am putting together plans to launch a high-altitude balloon some
> > time next year. It may reach 30km altitude, covering 1x ... 10x as
> > much ground horizontally, for a total flight duration of 2 ... 3
> > hours. The payload is supposed to gather various data (temperature,
> > pressure, humidity, etc.) and log it locally to an SD card. GPS data
> > will be relayed to the ground over APRS on 144.390MHz. The brain of
> > the payload will be an Arduino. The transmitter will probably be one
> > of those lightweight small modules that take 5V CMOS input on one pin
> > and modulate a 50ohm RF output on another pin - something similar to
> > this:
> >
> > http://www.radiometrix.com/content/hx1
> >
> > I intend to relay GPS data to the existing APRS network on the ground,
> > and track the payload from an Internet-connected portable device. But
> > the tracking vehicle will also be equipped with an FT-817 and a laptop
> > and will receive and decode APRS data from the balloon independently,
> > as a backup system. I still need to fine tune many details related to

> > APRS itself, since I've never done it before, but that's another topic
> > for another forum. I live in the San Francisco Bay Area, so at least
> > for a while the payload will fly above a dense APRS network.
> >
> > The thing is, I'm not sure what's the best antenna to use on the
balloon.
> >
> > Obviously, it needs to be as lightweight as possible. The balloon
> > doesn't generate much lift, so any weight savings are welcome.
> >
> > Large, rigid, sprawling structures are not good either, even when they
> > are not heavy. There are strong winds at high altitudes, and a large
> > antenna may spin the payload excessively.
> >
> > Ideally, I'd like the antenna to more or less survive touchdown after
> > a long descent on a parachute - this is in case I lose signal on the
> > last part of the trajectory, I'd like the beacon to keep transmitting
> > after touchdown, so I can locate it with my transceiver in the woods
> > or on a farm or wherever it may fall.
> >
> > Finally, the radiation pattern should be a big wide lobe, facing
> > downward, extending from horizon to horizon in all directions. That, I
> > guess, is probably not 100% realistic, but I'd like to stay close to
> > the ideal.
> >
> > One thing I could think of is a 1/4 wave ground-plane whip. I could
> > use thin aluminum tubes to make the elements. Should I keep the
> > "ground plane" elements parallel to the ground, or should I bend them
> > 45deg upward?
> >
> > Another idea: the balloon could trail a thin long wire. That design
> > works okay in HF, but I'm not sure how to make it work in 2m, with a
> > 50ohm output transmitter, lacking a true ground connection.
> >
> > For the tracking vehicle, again, probably a 1/4 wave ground plane?
> > Aiming at the balloon with a 2m Yagi from a moving sedan - that
> > doesn't sound like a sane idea to me. :)
> >
> > Any suggestions, comments, hints, are appreciated. Thank you.
> >
> > --
> > Florin Andrei
> > KG6YHQ
> > http://florin.myip.org/
> >
> _____
> > ____
> > Antennas mailing list
> > Home: http://mailman.qth.net/mailman/listinfo/antennas
> > Help: http://mailman.qth.net/mmfaq.htm

> > Post: mailto:Antennas@...
> >
> > This list hosted by: http://www.qsl.net
> > Please help support this email list: http://www.qsl.net/donate.html

[Non-text portions of this message have been removed]

20800. Re: Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 04:22:30 UTC
From: jm38401
Topic: 20781 Message: 20800

I use several but 4NEC2 is the one I use the most. You can Google it and get to the site to download the software.

Good luck and 73!

John
K4KQZ

20801. Re: [ham-antennas] #18 vs. #14 window line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 04:39:28 UTC
From: Larry Tooley
Topic: 20771 Message: 20801

Here is an excellent website on inexpensive open wire systems.
http://www.kr1st.com/hfcoath.htm
Larry
WA9G
----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 24, 2011 6:20 PM
Subject: Re: [ham-antennas] #18 vs. #14 window line

s3hampton wrote:

> Is there an advantage to use #14 over #18 window line? (Both examples would be 450 Ohm impedance.)

You an get AWG 14 wire at the home improvement stores (in 500' spools if you wish) and use
"ladder snap" insulators to make open wire feed line, they only fit #14.
This is 600 Ohm line!

> Is there an advantage to use #14 450 Ohm window line over #18 300 Ohm window line?

Slightly lower loss (450 Ohm) but 600 Ohm line made with AWG 14 wire and "ladder snap" insulators
will have lower loss and wind loading and be less visible. (if white wire and insulator are used)
/*snip*/
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

20802. AW: [ham-antennas] Re: Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 08:47:58 UTC
From: Siegfried Jackstien
Topic: 20781 Message: 20802

Or use mmana (also freeware)
...
I think mmana is a bit easier to use and understand
But that□s my personal thoughts

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jm38401
> Gesendet: Freitag, 25. November 2011 04:23
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Antenna modeling software ????
>
>
>
> I use several but 4NEC2 is the one I use the most. You can Google it and
> get to the site to download the software.
>
> Good luck and 73!
>
> John
> K4KQZ
>
>
>
>

20803. AW: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 08:53:56 UTC
From: Siegfried Jackstien
Topic: 20782 Message: 20803

1.8 x 3 = 5.4

The same as on 15m and 40m

7 x 3 = 21

I am guessing that it should work (with a bit of tuning needed)

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Robert KB6QXM
> Gesendet: Donnerstag, 24. November 2011 18:24
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
>
>
> 60 meters is not a harmonic of 160. So no.
>
> ----- Reply message -----
> From: "MIKE DURKIN" <Patriot121@... <mailto:Patriot121%40msn.com> >
> To: <ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> >
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
> Date: Thu, Nov 24, 2011 9:44 am
>
> shouldn't the 160m dipole cover 60m too?
>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> From: kb6qxm@... <mailto:kb6qxm%40yahoo.com>
> Date: Thu, 24 Nov 2011 09:16:10 -0800
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
> All,
>
> Thank you for your links. I will attempt to build an antenna for what the
> DX-cc is not built for. 160, 60, 30, 17 and 12.
>
> That will give me the other 5 bands I do not have on the DX-cc.
>
> [Non-text portions of this message have been removed]
>
>

>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com <mailto:ham-antennas-
> subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com <mailto:ham-
> antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com <mailto:ham-antennas-
> owner%40yahoogroups.com>
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>
>
>

20804. AW: [ham-antennas] Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 09:10:07 UTC
From: Siegfried Jackstien
Topic: 20781 Message: 20804

I use mmana

Easy to use and freeware (only pro version costs money)

I made LOTS of designs with the soft ... and there are a few hundred
antennas ready in the antenna folders (so easy to start with)

Soft can be found here:
http://hamsoft.ca/pages/mmana-gal.php

.....

http://groups.yahoo.com/group/MMANA-GAL
http://groups.yahoo.com/group/MM-HAMSOFT

Two user groups were you can upload problematic designs or get help if you
have problems with using mmana

There are a few limitations were you have to be careful with arranging the
wires (cause mmana uses the mininec machine) but on most things the soft is
accurate ...

Any questions? Feel free to ask

Greetz
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Artekmedia
> Gesendet: Donnerstag, 24. November 2011 18:22
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Antenna modeling software ????
>
>
>
> As I said in an earlier post I have been away from this hobby almost 10
> years. One of the things I enjoy most is tinkering with and designing
> antennas ...For may years I ran the old DOS based versions of EZNEC but
> that was 10 years ago with then 10 year old software :-) . I cant even
> find the disks anymore and I suspect the technology has moved on .
>
> Here is my question what software do you use and like for antenna
> modeling? MY apologies if this has been beat to death in the past, but
> going bAck through the email archives the last two years yielded nothing
> in my search on comparative comments on modeling software ...

>
> If you have EZNEC-5+ was the extra segments worth the money over EZNEC
> 5.0)?
>
> Is EZNEC really the only game in town these days or have other
> contenders emerged?
>
> Dave
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
>

20805. Re: Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 13:52:04 UTC
From: jm38401
Topic: 20781 Message: 20805

I use it too. My thoughts are that 4NEC2 is a bit easier to use. :-)
4NEC2 now has the geometry editor (graphical versus entering line segment data) which I find in some cases to be a little more straightforward. Maybe MMANA has a geometry editor but I've never found it if it does.

Good news is there are both of these fine software packages available at no cost!

73,

John

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:
>
> Or use mmana (also freeware)
> ...
> I think mmana is a bit easier to use and understand
> But that's my personal thoughts
>
> Dg9bfc
> Sigi

20806. Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 14:34:54 UTC
From: kd8bbk
Topic: 20798 Message: 20806

I understand Dale and sometimes we new hams are to quick to stick the sword in. I am one ham who tried to understand everything I could on all three levels of testing that I took. Most of it I did understand and am ashamed to admitt, but forgot some of it because of lack of use and todays busy schedules. One thing I will disagree with is when a new ham says there are no good elmers out there for them. I must have about 4 great elmers that have really helped me out. I ask them questions all the time and if they look at me like im stupid I tell them remember where I came from, born in the late 60s HI HI. They are always very eager to help and teach me.

I remember at a club meeting some of my elmers were talking about RTTY and talking about the machines and hardware they used for it. I had no clue how the machines worked and never seen one, other than pictures. So when I stuck my nose in of course there was a little teasing going on but all in good fun. Anyways when I said I would like to see such a set up none of them had one. Couple days later the one elmer gave me a call and told me to come over when I had a chance. Went over and there it was. RTTY station all set up. Boy was that fun. That is a good Elmer. It is because of my Elmers that I am so very fond of the CW mode and have progessed at it so well. So sometimes we new hams have to read between the lines and so often we don't. Tony

--- In ham-antennas@yahoogroups.com, "Dale H. Cole K8TS" <k9ttt@...> wrote:
>
>
>
> Boy, do I have a dislike for that attitude.
>
> Â
>
> Let me explain:
>
> Â
>
> As we grow older (first license in '72,)we have to expect change.Â We used to have the opportunity to hold more than one license.Â We used to have to sign /* and change our call every time we moved.Â The FCC, even as it creeps along, makes changes.Â The new hams that enter our ranks are not necessary "dummer" than we are.
>
> Â
>
> We have had to learn more to keep up with the new hams of today.Â Remember when "flip flops" were a shoe, andÂ aÂ "diode" was when you passed away?
>
> Â
>
> Were we tested on computer packet systems? How about "usb" or "com ports".Â No.Â We had to learn them.Â The new ham is alreadyÂ using them, or in many cases that is past history

that they used years ago, and since then have moved on to even higher technologies. In my time I do not ever remember being tested on Smith Charts--I go to the new hams to interpret (and sometimes have drawn) for me.Â How about the "Doppler shift", not on the old tests, now eight grade stuff for those coming up. Who remembers apogees on their old tests.Â Bet some of the people in this group have had to ask someone (newer ham?) about them.
>
> Â
>
> Had to throw up a tower in the past?Â Now we have to use (whether we like it or not) an engineering inspector to make sure we do not shoot our self in the foot.Â Sometimes they might be right.Â Laws change. Technology changes.
>
> Â
>
> CW?Â see how many competitors you have this weekend in CQWW CW.Â It is supposed to be dead.Â DSB?Â It would never be replaced by that new SSB.
>
>
>
> Sometimes us "old roosters" have to be kicked in the "a**", told that what we said was impossible, and watch how easily it can be done by today's standards. "Dummer no, Smarter, yes.
>
> Â
>
> Remember that the next time you sit behind your D-104 chatting on 80 with your Drake, while texting a friend 2000 miles away on your cell phone.
>
> Â
>
> Just My Humble Opinion,
>
> Dale K8TS
>
> (good in QRZ, not sure about The Flying Horse)
>
> [Non-text portions of this message have been removed]
>

20807. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 15:11:01 UTC
From: WA8JXM
Topic: 20798 Message: 20807

The old Teletype machines were absolutely amazing: all the complex mechanical work they did....just to print a single character! A true Rube Goldberg contraption that worked amazingly well.

As for "dumbing down", well heck, that's been complained about forever, at least since the FCC introduced the novice and tech licenses (in the 1950's?). BTW, back then the Tech exam was the same as the General exam except that the code requirement was 5 wpm instead of 13. Taking the Tech exam was an easy practice test for taking the General.

In reality, today's exams probably requires answering more technical questions than it did 40 years ago. However, having the question pool published does allow people to study and memorize the correct answers without understanding the questions or answers. (I am not saying that everyone does that, but it is possible I guess.) It used to be prohibited to publish the actual questions and answers and the license guide just listed the types of subjects that the person would face. So today we have some people who got the answers right but didn't understand what they were answering.

OTOH, the whole formal Elmer concept came along 10-15 years after I got my license. I didn't have any mentors to help. I spent many, many hours reading the Handbook and Antenna manual and old magazines on my own.

I passed my Extra back in 1967 in front of an FCC examiner, including copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work allowed). Could I pass the current exam? Probably not without studying. But what I do know now is real knowledge, not canned answers to canned questions. And maybe that's the real issue all the time: the older ops truly know what they know just like new people today will really know what they know 30 or 40 years from now.

73, Ken WA8JXM

On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:

> I understand Dale and sometimes we new hams are to quick to stick the sword in. I am one ham who tried to understand everything I could on all three levels of testing that I took. Most of it I did understand and am ashamed to admitt, but forgot some of it because of lack of use and todays busy schedules. One thing I will disagree with is when a new ham says there are no good elmers out there for them. I must have about 4 great elmers that have really helped me out. I ask them questions all the time and if they look at me like im stupid I tell them remember where I came from, born in the late 60s HI HI. They are always very eager to help and teach me.
>
> I remember at a club meeting some of my elmers were talking about RTTY and talking about the machines and hardware they used for it. I had no clue how the machines worked and never seen one, other than pictures. So when I stuck my nose in of course there was a little teasing going on but all in good fun. Anyways when I said I would like to see such a set up none of them had one. Couple days later the one elmer gave me a call and told me to come over when I had a chance. Went over and there it was. RTTY station all set up. Boy was that

fun. That is a good Elmer. It is because of my Elmers that I am so very fond of the CW mode and have progessed at it so well. So sometimes we new hams have to read between the lines and so often we don't. Tony

[Non-text portions of this message have been removed]

20808. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 15:19:38 UTC
From: Dan Schaaf
Topic: 20798 Message: 20808

Those old days:
We had to draw schematics of oscillators and amplifiers and do some pretty heavy math. Not much multiple choice to be memorized, at least in 1963

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Friday, November 25, 2011 10:11 AM
Subject: Re: [ham-antennas] Re: "dumming down"

The old Teletype machines were absolutely amazing: all the complex mechanical work they did....just to print a single character! A true Rube Goldberg contraption that worked amazingly well.

As for "dumbing down", well heck, that's been complained about forever, at least since the FCC introduced the novice and tech licenses (in the 1950's?). BTW, back then the Tech exam was the same as the General exam except that the code requirement was 5 wpm instead of 13. Taking the Tech exam was an easy practice test for taking the General.

In reality, today's exams probably requires answering more technical questions than it did 40 years ago. However, having the question pool published does allow people to study and memorize the correct answers without understanding the questions or answers. (I am not saying that everyone does that, but it is possible I guess.) It used to be prohibited to publish the actual questions and answers and the license guide just listed the types of subjects that the person would face. So today we have some people who got the answers right but didn't understand what they were answering.

OTOH, the whole formal Elmer concept came along 10-15 years after I got my license. I didn't have any mentors to help. I spent many, many hours reading the Handbook and Antenna manual and old magazines on my own.

I passed my Extra back in 1967 in front of an FCC examiner, including copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work allowed). Could I pass the current exam? Probably not without studying. But what I do know now is real knowledge, not canned answers to canned questions. And maybe that's the real issue all the time: the older ops truly know what they know just like new people today will really know what they know 30 or 40 years from now.

73, Ken WA8JXM

On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:

> I understand Dale and sometimes we new hams are to quick to stick the sword in. I am one ham who tried to understand everything I could on all three levels of testing that I took. Most of it I did understand and am ashamed to admitt, but forgot some of it because of lack of use and todays busy schedules. One thing I will disagree with is when a new ham says there are no good elmers out there for them. I must have about 4 great elmers that have really helped me out. I ask them questions all the time and if they look at me like im stupid I tell them remember where I came from, born in the late 60s HI HI. They are always very eager to help and teach me.
>
> I remember at a club meeting some of my elmers were talking about RTTY and talking about the machines and hardware they used for it. I had no clue how the machines worked and never seen one, other than pictures. So when I stuck my nose in of course there was a little teasing going on but all in good fun. Anyways when I said I would like to see such a set up none of them had one. Couple days later the one elmer gave me a call and told me to come over when I had a chance. Went over and there it was. RTTY station all set up. Boy was that fun. That is a good Elmer. It is because of my Elmers that I am so very fond of the CW mode and have progessed at it so well. So sometimes we new hams have to read between the lines and so often we don't. Tony

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20809. Re: Fan dipole for WARC bands

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 15:23:17 UTC
From: Mike Rodgers
Topic: 20776 Message: 20809

There are some fan dipole articles on
www.hamuniverse.com
A fine home brew site.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

20810. Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 16:18:48 UTC
From: fred
Topic: 20798 Message: 20810

I had a complete Model 15 RTTY station , all the electronics , cables and things that went with it and about 10 boxes of the printer paper . donated it all to the Texas radio room restoration project when I left houston . was a good setup but was that printer ever noisy and the receiver drifted unless it was on for a couple of hours before you tried to use it .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> Those old days:
> We had to draw schematics of oscillators and amplifiers and do some pretty heavy math. Not much multiple choice to be memorized, at least in 1963
>
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
>
> ----- Original Message -----
> From: WA8JXM
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 25, 2011 10:11 AM
> Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
> The old Teletype machines were absolutely amazing: all the complex mechanical work they did....just to print a single character! A true Rube Goldberg contraption that worked amazingly well.
>
> As for "dumbing down", well heck, that's been complained about forever, at least since the FCC introduced the novice and tech licenses (in the 1950's?). BTW, back then the Tech exam was the same as the General exam except that the code requirement was 5 wpm instead of 13. Taking the Tech exam was an easy practice test for taking the General.
>
> In reality, today's exams probably requires answering more technical questions than it did 40 years ago. However, having the question pool published does allow people to study and memorize the correct answers without understanding the questions or answers. (I am not saying that everyone does that, but it is possible I guess.) It used to be prohibited to publish the actual questions and answers and the license guide just listed the types of subjects that the person would face. So today we have some people who got the answers right but didn't understand what they were answering.
>

> OTOH, the whole formal Elmer concept came along 10-15 years after I got my license. I didn't have any mentors to help. I spent many, many hours reading the Handbook and Antenna manual and old magazines on my own.
>
> I passed my Extra back in 1967 in front of an FCC examiner, including copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work allowed). Could I pass the current exam? Probably not without studying. But what I do know now is real knowledge, not canned answers to canned questions. And maybe that's the real issue all the time: the older ops truly know what they know just like new people today will really know what they know 30 or 40 years from now.
>
> 73, Ken WA8JXM
>
> On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
>
> > I understand Dale and sometimes we new hams are to quick to stick the sword in. I am one ham who tried to understand everything I could on all three levels of testing that I took. Most of it I did understand and am ashamed to admitt, but forgot some of it because of lack of use and todays busy schedules. One thing I will disagree with is when a new ham says there are no good elmers out there for them. I must have about 4 great elmers that have really helped me out. I ask them questions all the time and if they look at me like im stupid I tell them remember where I came from, born in the late 60s HI HI. They are always very eager to help and teach me.
> >
> > I remember at a club meeting some of my elmers were talking about RTTY and talking about the machines and hardware they used for it. I had no clue how the machines worked and never seen one, other than pictures. So when I stuck my nose in of course there was a little teasing going on but all in good fun. Anyways when I said I would like to see such a set up none of them had one. Couple days later the one elmer gave me a call and told me to come over when I had a chance. Went over and there it was. RTTY station all set up. Boy was that fun. That is a good Elmer. It is because of my Elmers that I am so very fond of the CW mode and have progessed at it so well. So sometimes we new hams have to read between the lines and so often we don't. Tony
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20811. RE: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 16:21:56 UTC
From: KA9EGW
Topic: 20798 Message: 20811

When got my licenses, all the way from Novice in '79 to Extra in '81 plus my Commercial Radiotelephone in '82, I sat every single exam after Novice at the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building, Chicago. By that time ham licenses had already migrated to multiple-guess, but the Commercial exam was still draw schematics and turn in your scratch sheet...

I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of "Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code practice tapes, and a good friend who got his licenses and his various upgrades the same time I did.

IMHO the biggest blow to Amateur Radio was the institution of the VE program...I used to be a VE, specifically the guy who gave CW exams...that lasted til the boss VE insisted I pass people who couldn't copy at all for reasons I disagreed with...

73, Brian KA9EGW
"proud to be a know-code ham"

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dan Schaaf
Sent: Friday, November 25, 2011 9:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down"

Those old days:
We had to draw schematics of oscillators and amplifiers and do some pretty heavy math. Not much multiple choice to be memorized, at least in 1963

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Friday, November 25, 2011 10:11 AM
Subject: Re: [ham-antennas] Re: "dumming down"

The old Teletype machines were absolutely amazing: all the complex mechanical work they did....just to print a single character! A true Rube Goldberg contraption that worked amazingly well.

As for "dumbing down", well heck, that's been complained about forever, at least since the FCC introduced the novice and tech licenses (in the 1950's?). BTW, back then the Tech exam was the same as the General exam except that the code requirement was 5 wpm instead of 13. Taking the Tech exam was an easy practice test for taking the General.

In reality, today's exams probably requires answering more technical questions than it did 40 years ago. However, having the question pool published does allow people to study and memorize the correct answers without understanding the questions or answers. (I am not saying that everyone does that, but it is possible I guess.) It used to be prohibited to publish the actual questions and answers and the license guide just listed the types of subjects that the person would face. So today we have some people who got the answers right but didn't understand what they were answering.

OTOH, the whole formal Elmer concept came along 10-15 years after I got my license. I didn't have any mentors to help. I spent many, many hours reading the Handbook and Antenna manual and old magazines on my own.

I passed my Extra back in 1967 in front of an FCC examiner, including copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work allowed). Could I pass the current exam? Probably not without studying. But what I do know now is real knowledge, not canned answers to canned questions. And maybe that's the real issue all the time: the older ops truly know what they know just like new people today will really know what they know 30 or 40 years from now.

73, Ken WA8JXM

On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:

> I understand Dale and sometimes we new hams are to quick to stick the sword in. I am one ham who tried to understand everything I could on all three levels of testing that I took. Most of it I did understand and am ashamed to admitt, but forgot some of it because of lack of use and todays busy schedules. One thing I will disagree with is when a new ham says there are no good elmers out there for them. I must have about 4 great elmers that have really helped me out. I ask them questions all the time and if they look at me like im stupid I tell them remember where I came from, born in the late 60s HI HI. They are always very eager to help and teach me.
>
> I remember at a club meeting some of my elmers were talking about RTTY and talking about the machines and hardware they used for it. I had no clue how the machines worked and never seen one, other than pictures. So when I stuck my nose in of course there was a little teasing going on but all in good fun. Anyways when I said I would like to see such a set up none of them had one. Couple days later the one elmer gave me a call and told me to come over when I had a chance. Went over and there it was. RTTY station all set up. Boy was that fun. That is a good Elmer. It is because of my Elmers that I am so very fond of the CW mode and have progessed at it so well. So sometimes we new hams have to read between the lines and so often we don't. Tony

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20812. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 16:42:02 UTC
From: WA8JXM
Topic: 20798 Message: 20812

On Nov 25, 2011, at 10:19 AM, Dan Schaaf wrote:

> Those old days:
> We had to draw schematics of oscillators and amplifiers and do some pretty heavy math. Not much multiple choice to be memorized, at least in 1963

I'm pretty sure we did not have to draw schematics in 1963 but we had to answer questions about them. But you are probably right that the old timers back then thought the tests were dumbed down since people didn't have to draw the schematics.

I took my novice, tech and general all in 1963 (June, Oct, Nov) and I'm pretty sure it was multiple choice then. However the actual questions were not allowed to be published, just the general type of questions.

Ken

20813. Re: AW: [ham-antennas] Fan dipole for 60, 30, 17 and 12

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 16:54:38 UTC
From: dean
Topic: 20782 Message: 20813

It works very well without a tuner and on 10m also.

73, WY6L

From: Siegfried Jackstien
Sent: Friday, November 25, 2011 12:53 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Fan dipole for 60, 30, 17 and 12

1.8 x 3 = 5.4

The same as on 15m and 40m

7 x 3 = 21

I am guessing that it should work (with a bit of tuning needed)

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Robert KB6QXM
> Gesendet: Donnerstag, 24. November 2011 18:24
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
>
>
> 60 meters is not a harmonic of 160. So no.
>
> ----- Reply message -----
> From: "MIKE DURKIN" <mailto:Patriot121%40msn.com <mailto:Patriot121%40msn.com> >
> To: <mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> >
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
> Date: Thu, Nov 24, 2011 9:44 am
>
> shouldn't the 160m dipole cover 60m too?
>
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> From: mailto:kb6qxm%40yahoo.com <mailto:kb6qxm%40yahoo.com>
> Date: Thu, 24 Nov 2011 09:16:10 -0800
> Subject: [ham-antennas] Fan dipole for 60, 30, 17 and 12
>
> All,

>
> Thank you for your links. I will attempt to build an antenna for what the
> DX-cc is not built for. 160, 60, 30, 17 and 12.
>
> That will give me the other 5 bands I do not have on the DX-cc.
>
> [Non-text portions of this message have been removed]
>
>
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com <mailto:ham-antennas-
> subscribe%40yahoogroups.com>
> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com <mailto:ham-
> antennas-unsubscribe%40yahoogroups.com>
> List owner: mailto:ham-antennas-owner%40yahoogroups.com <mailto:ham-antennas-
> owner%40yahoogroups.com>
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

20814. Re: Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 17:10:14 UTC
From: John
Topic: 20781 Message: 20814

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> If you have EZNEC-5+ was the extra segments worth the money over EZNEC 5.0)?
>
> Is EZNEC really the only game in town these days or have other
> contenders emerged?
>
> Dave
>
The EZNEC software does the same job as the NEC2 software. The difference is that EZNEC provides a convienient interface with a GUI that allows you to focus on the antenna and not on the program. The input data part has been made as simple as possible without limiting the programs functions. The output is in a form that needs little if any further manipulation to understand.

If the interest is there, download the demo and give it a try. A lot of experimenters don't really need anything else. I probably don't need EZNEC 5+ but it just don't cost that much more to lose the limitations.

If you are inclined to get down to the bare metal operation, NEC2 is probably available on the internet somewhere for free. It is public domain. When I investigated it I decided it was too much like a trip back in time to the punch card era and not something I would would care to revisit.

I believe Roy has an offerring that uses the NEC4 package but That is well beyond my needs and budget!

For my purposes, EZNEC has paid for itself many times.

20815. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 17:35:19 UTC
From: Dan Schaaf
Topic: 20798 Message: 20815

I have teh Q & A manual from ARRL here from 1963.
We had to draw schematics.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Friday, November 25, 2011 11:42 AM
Subject: Re: [ham-antennas] Re: "dumming down"

On Nov 25, 2011, at 10:19 AM, Dan Schaaf wrote:

> Those old days:
> We had to draw schematics of oscillators and amplifiers and do some pretty heavy math.
Not much multiple choice to be memorized, at least in 1963

I'm pretty sure we did not have to draw schematics in 1963 but we had to answer questions about them. But you are probably right that the old timers back then thought the tests were dumbed down since people didn't have to draw the schematics.

I took my novice, tech and general all in 1963 (June, Oct, Nov) and I'm pretty sure it was multiple choice then. However the actual questions were not allowed to be published, just the general type of questions.

Ken

[Non-text portions of this message have been removed]

20816. Re: #18 vs. #14 window line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 18:19:43 UTC
From: s3hampton
Topic: 20771 Message: 20816

All antennas are at an average of 35 feet above the ground.

The NEW (large) loop is completely free of the trees.

The old (but GOOD) loops are IN THE TREES!

Yes, I have considered the very real, and sometimes dramatic lobes that any loop will have. I still see the "differences" between the two 1-WL loops, the 2-WL loop (this is the NEW one) and the standard dipole.

ALL antennas are at an average of 35 feet, again, including the dipole.

The two 1-WL loops are equal performance, for receive and transmit, for the most part. (I do see the effects of the LOBES, of course...)

The dipole is almost as good as the two original 1-WL loop antennas.

The NEW (large) loop is the one that is the poorer performer.

My main (worst) "loss" or lower-than-the-original-1-WL-loops is seen on 75 meters. This is after a lot of testing, TX and RX, while being able to INSTANTLY switch between the antennas via a remote relay box.

I still see a difference on 20 and up, but the higher bands are not as dramatic. -But on the average, still noticeably worse on the BIG LOOP as compared to any of the other three antennas.

To recap:
- The large (new) loop is fed with 220 feet of #18 window line.
- The other two loops are fed with 50 feet of LARGER-wire-size feed-line

73; -Mike- KØJTA

--- In ham-antennas@yahoogroups.com, WA8JXM <wa8jxm@...> wrote:
>
> Performs worse AT WHAT DISTANCES? The two may have very different radiation patterns/ angles.
>
> Although relative DC resistance may be indicative or RF resistance, remember that due to skin effect at RF frequencies, they two are very different. I would guess that your issue is somewhere else, with radiation pattern, tuning, height above ground, etc.
>
>
> Ken
>
> On Nov 24, 2011, at 1:41 AM, s3hampton wrote:
>
> > Is there an advantage to use #14 over #18 window line? (Both examples would be 450 Ohm

impedance.)
> >
> > Is there an advantage to use #14 450 Ohm window line over #18 300 Ohm window line?
> >
> > My problem: I have a loop antenna that operates POORLY on 75 meters, compared to my original loop and a simple dipole. (The new loop is about 10 dB worse than the original loop or a standard dipole!)
> >

20817. AW: [ham-antennas] Re: Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 18:44:05 UTC
From: Siegfried Jackstien
Topic: 20781 Message: 20817

Sure mmana has a graphical editor
And it is SOOOOO simple to use
If you ever used ANY paint software you know how to use it
Just click, hold button, move to other end and release button ... READY IS
THE WIRE 1 ...
It can be found under the edit menue
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m] Im
> Auftrag von jm38401
> Gesendet: Freitag, 25. November 2011 13:52
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Antenna modeling software ????
>
>
>
> I use it too. My thoughts are that 4NEC2 is a bit easier to use. :-)
> 4NEC2 now has the geometry editor (graphical versus entering line segment
> data) which I find in some cases to be a little more straightforward.
> Maybe MMANA has a geometry editor but I've never found it if it does.
>
> Good news is there are both of these fine software packages available at
> no cost!
>
> 73,
>
> John
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Siegfried Jackstien"
> <siegfried.jackstien@...> wrote:
> >
> > Or use mmana (also freeware)
> > ...
> > I think mmana is a bit easier to use and understand
> > But that's my personal thoughts
> >
> > Dg9bfc
> > Sigi
>
>
>
>

>

20818. Re: #18 vs. #14 window line

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 18:50:11 UTC
From: s3hampton
Topic: 20771 Message: 20818

Dave;

I'll try to touch on at least a FEW of the points or comments below...

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Mike
>
> 1) Don't immediately assume that the difference in performance is due to
> the feed line. Given the size difference , The two antennas will have
> entirely different performance characteristics. Radiation patterns,
> nulls , angle of take off will all be different rather like comparing
> apples and oranges and bigger is not always better.

Yes, very true! I have expressly been watching for this lobe-factor. As a result, I have been "averaging" the overall effects or performances...

> Are you feeding both
> loops in the middleat the bottom ? at the corners? on the sides? all
> will make a difference in take off angles.

In all cases, the antennas are HORIZONTAL, so it is not possible for me to feed from the BOTTOM.

All loops are fed at a corner.

The two 1-WL loops are 4-sided, and not square.

The NEW loop (the PIG!) is a five-sided loop that is completely free of the trees; It is in an open field, whereas the other two loops are actually IN THE TREES.

Bottom feed will give
> horizontal polarization (high angle take off. local communication)
> feeding at the sides will give you vertical polarization with lower take
> off angles suited for distant communication...and the list goes on
>
> 2) if the large loop is significantly mismatched to the 300ohm line the
> losses in the feed line will be higher to be sure .

I can feed the antenna with, or without a tuner. Some of the figures follow; These are the points (in Mhz) where I see a genuine 1:1 SWR, with no tuner involved at all! -Except where noted.

1.85 = 1:1
3.75 = 1:1 (3.86 = 2.2:1) (3.99 = 3.3:1)
14.3 = 1:1
18.3 = 1.3:1
21.3 = 2:1

24.95= 2.8:1
28.4 = 1.8:1

> If we are talking
> 300ohm solid dielectric (no windows, i.e. what we used to call TV twin
> lead) vs 450 ohm window line the losses will be higher in the 300 ohm
> line.

I am using 300 Ohm window line that is actual WINDOW LINE, not TV-twin-lead. It has (per the supplier) $18 stranded wire, and this seems to be close, by my un-calibrated eye...

Assuming the line is matched to to the loop (unlikley) the losses
> at 3.5 MHz at 200 feet for the 300 ohm, line are on the order of .5dB (
> not much) vs less than .1db for the 450 Ohm window line. lets say the
> loop looks like 1200 ohms at the feed point .

Ratz. I have indeed seen this. My only "hope" was to assign the possible LOSS to the DC resistance of the fed line.

In the case of the BAD loop (this is the new, 1000 or so foot antenna), the DC resistance is about TWICE the resistance of the #14 wire that makes up the radiator of the new loop.

In the case of the two GOOD (1-WL) loop antennas, the DC resistance of the feed line is HALF of the resistance of those loop antenna's #14 radiator wires.

>
> 3) For the sake of argument lets say the big loop has a feed point
> impedance of 1200 ohms this would give an SWR of 4:1 on the line at 3.5
> mhz the losses due to the SWR at 3.5 MHz are less than an additional 2db
> (and S unit is 6db) so it is unlikely that you will be able to hear the
> difference.
>

I am getting a LOT lower SWR that what you have suggested as an example. (Please see my figures above...)

> 4) the higher you go in frequency the greater the losses this same
> example above at 28 MHZ will have losses in the order of 6-10 db now
> you can begin to tell the difference at bit.
>

This is the funny part: As I go UP in frequency, the large loop is approaching what I see and experience with the original (the GOOD loop) antennas!! (This is for both for RX and TX, of course!)

This is just the opposite of what you had offered...

>
> Before you jump to any conclusions about feed lines I would want to
> measure the feed point impedance

I cannot do this; No equipment, aside from the SWR meters that I have available...

> and probably model the loops using a
> antenna modeling (EZNEC etc) program at the frequency of interest.

I might be able to do this, but the big task would be trying to learn how to use one of these programs! -Not an easy task!

> to
> get an idea of what is probably really going on. My money is that the
> differences you are hearing have more to do with the radiation pattern
> differences of the two antennas first

This is a logical factor. And I have absolutely made myself aware of this. There is still no doubt that the new larger loop is simply a PIG.

I have a friend (not a HAM) who likes to toss a statement basically says if you put lipstick on a pig, it's still a PIG! Well, that's what I have here: A PIG.

and feed point matching 2nd

This is something that I have not addressed at all! But I do plan to, by dropping the loop, and attaching a very short feed line to the feed point. The antenna will be LOW on this one corner, but it will be at least CLOSER to offering me the true resonance of the wire.

> ...line loss while slightly higher with 300 twin lead is a distant 3rd

Yes, I agree.

But... (There's always that "But," right?)

I still am trying to clutch to the simple DC resistance of the FEED LINES as compared to the ACTUAL RADIATOR WIRE. Stupidly so? Most likely YES! But I am sort of out of ideas...

Thanks for your inputs!! 73; -Mike- KØJTA

>
> Good luck
> 73
> Dave
> NR1DX
>

20819. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 18:50:12 UTC
From: GLORIA WELLS
Topic: 20798 Message: 20819

Hi All,

I am one othe new hams, I have an electronics background and have been wanting to be a ham since I was about 7. I am now 63, I had a mental block about the code and this kept me from being a ham then life came along. I spent 21 yrs in the Navy. Then work came along. Since I retired I joined a civilian group called CERT and they offered me a chance to get my Tech ticket and I jumped for it. I am now a general working on her extra class.
I have been lucky and met several good Elmers that have gone out of there way to help all of the new Hams here. One thing we need to remember, I consider the older Hams as a super resource of information, it has helped me learn about building my own 2 meter antennas, and repairing my own gear.
Just remember, we can all learn something from each other, whether a new ham or an old hand at it.

Gloria

KK4DXM

--- On Fri, 11/25/11, WA8JXM <wa8jxm@...> wrote:

From: WA8JXM <wa8jxm@gmail.com>
Subject: Re: [ham-antennas] Re: "dumming down"
To: ham-antennas@yahoogroups.com
Date: Friday, November 25, 2011, 10:11 AM

The old Teletype machines were absolutely amazing: all the complex mechanical work they did....just to print a single character! A true Rube Goldberg contraption that worked amazingly well.

As for "dumbing down", well heck, that's been complained about forever, at least since the FCC introduced the novice and tech licenses (in the 1950's?). BTW, back then the Tech exam was the same as the General exam except that the code requirement was 5 wpm instead of 13. Taking the Tech exam was an easy practice test for taking the General.

In reality, today's exams probably requires answering more technical questions than it did 40 years ago. However, having the question pool published does allow people to study and memorize the correct answers without understanding the questions or answers. (I am not saying that everyone does that, but it is possible I guess.) It used to be prohibited to publish the actual questions and answers and the license guide just listed the types of subjects that the person would face. So today we have some people who got the answers right but didn't understand what they were answering.

OTOH, the whole formal Elmer concept came along 10-15 years after I got my license. I didn't have any mentors to help. I spent many, many hours reading the Handbook and Antenna manual and old magazines on my own.

I passed my Extra back in 1967 in front of an FCC examiner, including copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work allowed). Could I pass the current exam? Probably not without studying. But what I do know now is real knowledge, not canned answers to canned questions. And maybe that's the real issue all the time: the older ops truly know what they know just like new people today will really know what they know 30 or 40 years from now.

73, Ken WA8JXM

On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:

> I understand Dale and sometimes we new hams are to quick to stick the sword in. I am one ham who tried to understand everything I could on all three levels of testing that I took. Most of it I did understand and am ashamed to admitt, but forgot some of it because of lack of use and todays busy schedules. One thing I will disagree with is when a new ham says there are no good elmers out there for them. I must have about 4 great elmers that have really helped me out. I ask them questions all the time and if they look at me like im stupid I tell them remember where I came from, born in the late 60s HI HI. They are always very eager to help and teach me.
>
> I remember at a club meeting some of my elmers were talking about RTTY and talking about the machines and hardware they used for it. I had no clue how the machines worked and never seen one, other than pictures. So when I stuck my nose in of course there was a little teasing going on but all in good fun. Anyways when I said I would like to see such a set up none of them had one. Couple days later the one elmer gave me a call and told me to come over when I had a chance. Went over and there it was. RTTY station all set up. Boy was that fun. That is a good Elmer. It is because of my Elmers that I am so very fond of the CW mode and have progessed at it so well. So sometimes we new hams have to read between the lines and so often we don't. Tony

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20820. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 18:56:12 UTC
From: Dan Schaaf
Topic: 20798 Message: 20820

Gloria
Congrats and Welcome

Now that you can get on 2 meters, why not try 2 meter SSB (and CW) during Tropo Openings. You can works some states and many grids and if you are on the east coast, even a few local countries like Caribean, Mexico, Bahamas etc.

And, maybe we will see you on teh HF Bands in the future

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: GLORIA WELLS
To: ham-antennas@yahoogroups.com
Sent: Friday, November 25, 2011 1:50 PM
Subject: Re: [ham-antennas] Re: "dumming down"

Hi All,

I am one othe new hams, I have an electronics background and have been wanting to be a ham since I was about 7. I am now 63, I had a mental block about the code and this kept me from being a ham then life came along. I spent 21 yrs in the Navy. Then work came along. Since I retired I joined a civilian group called CERT and they offered me a chance to get my Tech ticket and I jumped for it. I am now a general working on her extra class.
I have been lucky and met several good Elmers that have gone out of there way to help all of the new Hams here. One thing we need to remember, I consider the older Hams as a super resource of information, it has helped me learn about building my own 2 meter antennas, and repairing my own gear.
Just remember, we can all learn something from each other, whether a new ham or an old hand at it.

Gloria

KK4DXM

--- On Fri, 11/25/11, WA8JXM <wa8jxm@...> wrote:

From: WA8JXM <wa8jxm@...>
Subject: Re: [ham-antennas] Re: "dumming down"
To: ham-antennas@yahoogroups.com
Date: Friday, November 25, 2011, 10:11 AM

The old Teletype machines were absolutely amazing: all the complex mechanical work they did....just to print a single character! A true Rube Goldberg contraption that worked amazingly well.

As for "dumbing down", well heck, that's been complained about forever, at least since the FCC introduced the novice and tech licenses (in the 1950's?). BTW, back then the Tech exam was the same as the General exam except that the code requirement was 5 wpm instead of 13. Taking the Tech exam was an easy practice test for taking the General.

In reality, today's exams probably requires answering more technical questions than it did 40 years ago. However, having the question pool published does allow people to study and memorize the correct answers without understanding the questions or answers. (I am not saying that everyone does that, but it is possible I guess.) It used to be prohibited to publish the actual questions and answers and the license guide just listed the types of subjects that the person would face. So today we have some people who got the answers right but didn't understand what they were answering.

OTOH, the whole formal Elmer concept came along 10-15 years after I got my license. I didn't have any mentors to help. I spent many, many hours reading the Handbook and Antenna manual and old magazines on my own.

I passed my Extra back in 1967 in front of an FCC examiner, including copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work allowed). Could I pass the current exam? Probably not without studying. But what I do know now is real knowledge, not canned answers to canned questions. And maybe that's the real issue all the time: the older ops truly know what they know just like new people today will really know what they know 30 or 40 years from now.

73, Ken WA8JXM

On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:

> I understand Dale and sometimes we new hams are to quick to stick the sword in. I am one ham who tried to understand everything I could on all three levels of testing that I took. Most of it I did understand and am ashamed to admitt, but forgot some of it because of lack of use and todays busy schedules. One thing I will disagree with is when a new ham says there are no good elmers out there for them. I must have about 4 great elmers that have really helped me out. I ask them questions all the time and if they look at me like im stupid I tell them remember where I came from, born in the late 60s HI HI. They are always very eager to help and teach me.
>
> I remember at a club meeting some of my elmers were talking about RTTY and talking about the machines and hardware they used for it. I had no clue how the machines worked and never seen one, other than pictures. So when I stuck my nose in of course there was a little teasing going on but all in good fun. Anyways when I said I would like to see such a set up none of them had one. Couple days later the one elmer gave me a call and told me to come over when I had a chance. Went over and there it was. RTTY station all set up. Boy was that fun. That is a good Elmer. It is because of my Elmers that I am so very fond of the CW mode and have progessed at it so well. So sometimes we new hams have to read between the lines and so often we don't. Tony

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20821. long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 20:11:18 UTC
From: dean
Topic: 20821 Message: 20821

So where is a good place to see where the long path to Spain is from Coarsegold, CA. My beam is about 75 degrees and since my rotor controller went out that is about it.

thanks

73, WY6L

[Non-text portions of this message have been removed]

20822. Re: AW: [ham-antennas] Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 22:49:33 UTC
From: Ed Stewart
Topic: 20781 Message: 20822

Just wanted to mention that if anyone uses the Linux operating system on their computer as I do there are many ham radio softwares covering many subjects. Ed

On 11/25/2011 04:10 AM, Siegfried Jackstien wrote:
>
> I use mmana
>
> Easy to use and freeware (only pro version costs money)
>
> I made LOTS of designs with the soft ... and there are a few hundred
> antennas ready in the antenna folders (so easy to start with)
>
> Soft can be found here:
> http://hamsoft.ca/pages/mmana-gal.php
>
> .....
>
> http://groups.yahoo.com/group/MMANA-GAL
> http://groups.yahoo.com/group/MM-HAMSOFT
>
> Two user groups were you can upload problematic designs or get help if you
> have problems with using mmana
>
> There are a few limitations were you have to be careful with arranging the
> wires (cause mmana uses the mininec machine) but on most things the
> soft is
> accurate ...
>
> Any questions? Feel free to ask
>
> Greetz
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > Auftrag von Artekmedia
> > Gesendet: Donnerstag, 24. November 2011 18:22
> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Betreff: [ham-antennas] Antenna modeling software ????
> >

> >
> >
> > As I said in an earlier post I have been away from this hobby almost 10
> > years. One of the things I enjoy most is tinkering with and designing
> > antennas ...For may years I ran the old DOS based versions of EZNEC but
> > that was 10 years ago with then 10 year old software :-) . I cant even
> > find the disks anymore and I suspect the technology has moved on .
> >
> > Here is my question what software do you use and like for antenna
> > modeling? MY apologies if this has been beat to death in the past, but
> > going bAck through the email archives the last two years yielded nothing
> > in my search on comparative comments on modeling software ...
> >
> > If you have EZNEC-5+ was the extra segments worth the money over EZNEC
> > 5.0)?
> >
> > Is EZNEC really the only game in town these days or have other
> > contenders emerged?
> >
> > Dave
> >
> > --
> > Dave& Lynn Henderson
> > Manuals@... <mailto:Manuals%40ArtekMedia.com>
> <mailto:Manuals%40ArtekMedia.com>
> > www.Artekmedia.com
> > PO Box 175
> > Welch,MN 55089
> >
> >
> >
> >
>
>

--

[Non-text portions of this message have been removed]

20823. Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-25 23:44:03 UTC
From: mikethetuner
Topic: 20798 Message: 20823

I'd be lying if I said, as a young ham, that I didn't roll my eyes at the "walked to school barefoot in the snow uphill both directions" stories that my ham "elders/Elmers" shared about how they did so much operating with exposed high voltage, manual tuning from start to finish, built the rigs from scrap, and all that. Of course, now that I am one of "them" (licensed since 1976, had to pass all the tests in front of the FCC), I don't find their stories to be so far out after all because I have seen enough change in the 35 years since I got my Novice ticket to understand where they came from in that realm.

I had addressed this issue before in an earlier post regarding how the lack of fundamental knowledge in newer hams has increased since obtaining a license is now much earlier in the learning continuum than it was before. Granted, technology has advanced so far lately, and one can see this first-hand by opening the cover of any middle- to high-end transceiver made in the last 10-20 years--it's not "your grandpa's rig" anymore where it was easy to replace a bad component with plenty of elbow room. That being said, the realm of antennas is still wide open, and really about the last area of amateur radio left where anyone can experiment with very simple materials and concepts and build something to make the station better.

The basics have not changed, nor will they ever do so: the laws of nature cannot be repealed. Learn the basics, put the myths to rest, and above all, experiment with antennas! We don't learn if we don't try, and if it works, so much the better. And pass along your successes to the group as well as the failures. Learning should never, ever stop, and this group is a great resource for sharing and learning about ham antennas.

73, all!

Mike KØVZ

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> Those old days:
> We had to draw schematics of oscillators and amplifiers and do some pretty heavy math. Not much multiple choice to be memorized, at least in 1963
>
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
>
> ----- Original Message -----
> From: WA8JXM
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 25, 2011 10:11 AM
> Subject: Re: [ham-antennas] Re: "dumming down"
>

>
>
> The old Teletype machines were absolutely amazing: all the complex mechanical work they did....just to print a single character! A true Rube Goldberg contraption that worked amazingly well.
>
> As for "dumbing down", well heck, that's been complained about forever, at least since the FCC introduced the novice and tech licenses (in the 1950's?). BTW, back then the Tech exam was the same as the General exam except that the code requirement was 5 wpm instead of 13. Taking the Tech exam was an easy practice test for taking the General.
>
> In reality, today's exams probably requires answering more technical questions than it did 40 years ago. However, having the question pool published does allow people to study and memorize the correct answers without understanding the questions or answers. (I am not saying that everyone does that, but it is possible I guess.) It used to be prohibited to publish the actual questions and answers and the license guide just listed the types of subjects that the person would face. So today we have some people who got the answers right but didn't understand what they were answering.
>
> OTOH, the whole formal Elmer concept came along 10-15 years after I got my license. I didn't have any mentors to help. I spent many, many hours reading the Handbook and Antenna manual and old magazines on my own.
>
> I passed my Extra back in 1967 in front of an FCC examiner, including copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work allowed). Could I pass the current exam? Probably not without studying. But what I do know now is real knowledge, not canned answers to canned questions. And maybe that's the real issue all the time: the older ops truly know what they know just like new people today will really know what they know 30 or 40 years from now.
>
> 73, Ken WA8JXM
>

20824. Re: [ham-antennas] long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 05:45:42 UTC
From: Robert Garland
Topic: 20821 Message: 20824

Dean, if the Google Earth screenshots do not come through in this discussion group, please e-mail me direct: my callsign at ARRL.net and I will e-mail them direct to you.

Short answer: 75 degrees gets you crossing the USA, entering the Atlantic Ocean just north of Cape Hatteras, skimming the western bulge of Africa and passing just south of Madagascar.

Gibraltar, at the southern tip of Spain bears 48.9 degrees and is 5873 miles on the short path.

Robert Garland, NX3S

> So where is a good place to see where the long path to Spain is from Coarsegold, CA. My
> beam is about 75 degrees and since my rotor controller went out that is about it.
>
> thanks
>
> 73, WY6L
>

20825. Re: [ham-antennas] long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 06:20:23 UTC
From: dean
Topic: 20821 Message: 20825

thanks I found a program that shows what I want. I just had to rephrase my question in google to find it. It shows the short path but I can follow it backwards and have the long path. The long path to Spain from here is over 19k miles according to one of the programs I'm using.

73, WY6L

From: Robert Garland
Sent: Friday, November 25, 2011 9:45 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] long path

Dean, if the Google Earth screenshots do not come through in this discussion group, please e-mail me direct: my callsign at ARRL.net and I will e-mail them direct to you.

Short answer: 75 degrees gets you crossing the USA, entering the Atlantic Ocean just north of Cape Hatteras, skimming the western bulge of Africa and passing just south of Madagascar.

Gibraltar, at the southern tip of Spain bears 48.9 degrees and is 5873 miles on the short path.

Robert Garland, NX3S

> So where is a good place to see where the long path to Spain is from Coarsegold, CA. My
> beam is about 75 degrees and since my rotor controller went out that is about it.
>
> thanks
>
> 73, WY6L
>

[Non-text portions of this message have been removed]

20826. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 13:41:28 UTC
From: Chuck Schultz
Topic: 20798 Message: 20826

The " Dungeon of Doom " you say? I had a similar experience in downtown Dallas . I had to copy code wearing ear phones salvaged from the Mayflower. Not to mention the cold stares of the examiner. If you failed the exam it would take six weeks before you could re-test. All in all it was worth it for the feeling I had as I left after passing . Chuck Wq5B
----- Original Message -----
From: KA9EGW
To: ham-antennas@yahoogroups.com
Sent: Friday, November 25, 2011 10:21 AM
Subject: RE: [ham-antennas] Re: "dumming down"

When got my licenses, all the way from Novice in '79 to Extra in '81 plus
my Commercial Radiotelephone in '82, I sat every single exam after Novice at
the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building,
Chicago. By that time ham licenses had already migrated to multiple-guess,
but the Commercial exam was still draw schematics and turn in your scratch
sheet...

I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of
"Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a
trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code
practice tapes, and a good friend who got his licenses and his various
upgrades the same time I did.

IMHO the biggest blow to Amateur Radio was the institution of the VE
program...I used to be a VE, specifically the guy who gave CW exams...that
lasted til the boss VE insisted I pass people who couldn't copy at all for
reasons I disagreed with...

73, Brian KA9EGW
"proud to be a know-code ham"

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Dan Schaaf
Sent: Friday, November 25, 2011 9:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down"

Those old days:
We had to draw schematics of oscillators and amplifiers and do some pretty
heavy math. Not much multiple choice to be memorized, at least in 1963

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Friday, November 25, 2011 10:11 AM
Subject: Re: [ham-antennas] Re: "dumming down"

The old Teletype machines were absolutely amazing: all the complex mechanical work they did....just to print a single character! A true Rube Goldberg contraption that worked amazingly well.

As for "dumbing down", well heck, that's been complained about forever, at least since the FCC introduced the novice and tech licenses (in the 1950's?). BTW, back then the Tech exam was the same as the General exam except that the code requirement was 5 wpm instead of 13. Taking the Tech exam was an easy practice test for taking the General.

In reality, today's exams probably requires answering more technical questions than it did 40 years ago. However, having the question pool published does allow people to study and memorize the correct answers without understanding the questions or answers. (I am not saying that everyone does that, but it is possible I guess.) It used to be prohibited to publish the actual questions and answers and the license guide just listed the types of subjects that the person would face. So today we have some people who got the answers right but didn't understand what they were answering.

OTOH, the whole formal Elmer concept came along 10-15 years after I got my license. I didn't have any mentors to help. I spent many, many hours reading the Handbook and Antenna manual and old magazines on my own.

I passed my Extra back in 1967 in front of an FCC examiner, including copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work allowed). Could I pass the current exam? Probably not without studying. But what I do know now is real knowledge, not canned answers to canned questions. And maybe that's the real issue all the time: the older ops truly know what they know just like new people today will really know what they know 30 or 40 years from now.

73, Ken WA8JXM

On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:

> I understand Dale and sometimes we new hams are to quick to stick the sword in. I am one ham who tried to understand everything I could on all three levels of testing that I took. Most of it I did understand and am ashamed to admitt, but forgot some of it because of lack of use and todays busy schedules. One thing I will disagree with is when a new ham says there are no good elmers out there for them. I must have about 4 great elmers that have really helped me out. I ask them questions all the time and if they look at me like im stupid I tell them remember where I came from, born in the late 60s HI HI. They are always very eager to help and teach me.
>
> I remember at a club meeting some of my elmers were talking about RTTY

and talking about the machines and hardware they used for it. I had no clue how the machines worked and never seen one, other than pictures. So when I stuck my nose in of course there was a little teasing going on but all in good fun. Anyways when I said I would like to see such a set up none of them had one. Couple days later the one elmer gave me a call and told me to come over when I had a chance. Went over and there it was. RTTY station all set up. Boy was that fun. That is a good Elmer. It is because of my Elmers that I am so very fond of the CW mode and have progessed at it so well. So sometimes we new hams have to read between the lines and so often we don't.
Tony

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11

[Non-text portions of this message have been removed]

20827. Finally solved rfi issue!!!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 14:21:55 UTC
From: Douglas
Topic: 20827 Message: 20827

All,

For months I've had major rfi issues in the house. Due to the layout of my yard, my Steppir Bigir vert is only about 10 feet from my house. When I would transmit, every hard wired smoke detector in my house would go off. This would happen at 300 watts and up.

Placed a split bead at every smoke detector, didn't solve. Finally placed a toroid on the ac line leaving the breaker with 6 wraps. So far, so good!!!

Doug
KB2UKA

20828. MICROMETALS T200-2B -VS- T130-2 Help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 14:30:16 UTC
From: Jim Whitaker
Topic: 20828 Message: 20828

I've decided to try winding my own 4:1 balun for my OCFD. I've found lots of information on winding it with a T130-2 core, but I happen to have 2 MICROMETALS T200-2B cores on hand, they are larger and more substantial so I would like to use one of those if possible. The problem is I cant find any information on using this toroid instead. Is anyone aware of a calculator or webpage that might help as to the number of turns per side with this toroid?

DE N8XYN Jim

TNX

20829. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 15:04:42 UTC
From: Memwl
Topic: 20798 Message: 20829

Comment from a no-code General as follows
IMHO
I always wanted to be a Ham, it is not my fault that the code was not required when I testes, however
I will make this statement "A new ham should be encouraged to learn CW". Comment some older seasoned hams make
are very discouraging to a new person that really wants to learn, not to made to feel inferior because he or she does not know code
Maybe these statements are not meant to be degrading.
But I am quite sure that this group and many others would like to see new call signs that can meet you on the Key or the Phone so lets encourage all new Hams to get that Key

73
ke7sbe

>_____
> From: Chuck Schultz <wq5b@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, November 26, 2011 6:41 AM
>Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
>The " Dungeon of Doom " you say? I had a similar experience in downtown Dallas . I had to copy code wearing ear phones salvaged from the Mayflower. Not to mention the cold stares of the examiner. If you failed the exam it would take six weeks before you could re-test. All in all it was worth it for the feeling I had as I left after passing . Chuck Wq5B
>----- Original Message -----
>From: KA9EGW
>To: ham-antennas@yahoogroups.com
>Sent: Friday, November 25, 2011 10:21 AM
>Subject: RE: [ham-antennas] Re: "dumming down"
>
>When got my licenses, all the way from Novice in '79 to Extra in '81 plus
>my Commercial Radiotelephone in '82, I sat every single exam after Novice at
>the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building,
>Chicago. By that time ham licenses had already migrated to multiple-guess,
>but the Commercial exam was still draw schematics and turn in your scratch
>sheet...
>
>I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of
>"Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a
>trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code
>practice tapes, and a good friend who got his licenses and his various
>upgrades the same time I did.

>
>IMHO the biggest blow to Amateur Radio was the institution of the VE
>program...I used to be a VE, specifically the guy who gave CW exams...that
>lasted til the boss VE insisted I pass people who couldn't copy at all for
>reasons I disagreed with...
>
>73, Brian KA9EGW
>"proud to be a know-code ham"
>
>-----Original Message-----
>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
>Behalf Of Dan Schaaf
>Sent: Friday, November 25, 2011 9:20 AM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Re: "dumming down"
>
>Those old days:
>We had to draw schematics of oscillators and amplifiers and do some pretty
>heavy math. Not much multiple choice to be memorized, at least in 1963
>
>Best Regards
>Dan Schaaf
>K3ZXL www.k3zxl.com
>
>----- Original Message -----
>From: WA8JXM
>To: ham-antennas@yahoogroups.com
>Sent: Friday, November 25, 2011 10:11 AM
>Subject: Re: [ham-antennas] Re: "dumming down"
>
>The old Teletype machines were absolutely amazing: all the complex
>mechanical work they did....just to print a single character! A true Rube
>Goldberg contraption that worked amazingly well.
>
>As for "dumbing down", well heck, that's been complained about forever, at
>least since the FCC introduced the novice and tech licenses (in the
>1950's?). BTW, back then the Tech exam was the same as the General exam
>except that the code requirement was 5 wpm instead of 13. Taking the Tech
>exam was an easy practice test for taking the General.
>
>In reality, today's exams probably requires answering more technical
>questions than it did 40 years ago. However, having the question pool
>published does allow people to study and memorize the correct answers
>without understanding the questions or answers. (I am not saying that
>everyone does that, but it is possible I guess.) It used to be prohibited to
>publish the actual questions and answers and the license guide just listed
>the types of subjects that the person would face. So today we have some
>people who got the answers right but didn't understand what they were
>answering.
>

>OTOH, the whole formal Elmer concept came along 10-15 years after I got my
>license. I didn't have any mentors to help. I spent many, many hours reading
>the Handbook and Antenna manual and old magazines on my own.
>
>I passed my Extra back in 1967 in front of an FCC examiner, including
>copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work
>allowed). Could I pass the current exam? Probably not without studying. But
>what I do know now is real knowledge, not canned answers to canned
>questions. And maybe that's the real issue all the time: the older ops truly
>know what they know just like new people today will really know what they
>know 30 or 40 years from now.
>
>73, Ken WA8JXM
>
>On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
>
>> I understand Dale and sometimes we new hams are to quick to stick the
>sword in. I am one ham who tried to understand everything I could on all
>three levels of testing that I took. Most of it I did understand and am
>ashamed to admitt, but forgot some of it because of lack of use and todays
>busy schedules. One thing I will disagree with is when a new ham says there
>are no good elmers out there for them. I must have about 4 great elmers that
>have really helped me out. I ask them questions all the time and if they
>look at me like im stupid I tell them remember where I came from, born in
>the late 60s HI HI. They are always very eager to help and teach me.
>>
>> I remember at a club meeting some of my elmers were talking about RTTY
>and talking about the machines and hardware they used for it. I had no clue
>how the machines worked and never seen one, other than pictures. So when I
>stuck my nose in of course there was a little teasing going on but all in
>good fun. Anyways when I said I would like to see such a set up none of them
>had one. Couple days later the one elmer gave me a call and told me to come
>over when I had a chance. Went over and there it was. RTTY station all set
>up. Boy was that fun. That is a good Elmer. It is because of my Elmers that
>I am so very fond of the CW mode and have progessed at it so well. So
>sometimes we new hams have to read between the lines and so often we don't.
>Tony
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
>to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause
>for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com

>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
>
>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

20830. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 15:53:21 UTC
From: DVC3565@aol.com
Topic: 20798 Message: 20830

Seeing as this thread WILL continue...I will throw my 3 cents in too.
I agree that the hobby was dying, and IF we didn't get some new blood fast..we stood to lose some choice frequencies. All for the "no-code" licenses, but as and old dog I still have one item I can't let go.
An EXTRA was always the goal, the best of the hams! (75M as the exception to that.)
I, to this day feel that there should be a mandatory "waiting" period before you can receive a Extra ticket. In the old days it was 5 years. I am willing to split the difference and make it 2 years. But I have personally seen (as a VE) people come in, test, and walk out with an extra license..and know less than my 16 year old cat does about ham radio. (No BS! my cat can't copy code..but see associates my call sign coming out of the speaker meaning Dad is going to go play on the radio, and usually beats me down the hall to the shack.)
I have been following this thread, even though it doesn't pertain to antennas. "Dumming down?" Maybe..maybe not. We NEED new hams!
But to cheapen the highest license, is like letting a 6 month Martial Artist student test for a black belt..no matter how talented he/she is!
BTW..I took code test at the Soldiers & Sailors Bldg. in Pittsburgh in 1977. The echo factor in the hall from the copy code was unreal!
But I got my General. Didn't get my extra till late 80's in Florida.
But as a Digital mode ham..I am still a Novice..got lot's to learn.
My 3 cents is up!
73,
Dave-KJ4PF

In a message dated 11/26/2011 10:04:49 A.M. Eastern Standard Time, modkulla@... writes:

Comment from a no-code General as follows
IMHO
I always wanted to be a Ham, it is not my fault that the code was not required when I testes, however
I will make this statement "A new ham should be encouraged to learn CW".
Comment some older seasoned hams make
are very discouraging to a new person that really wants to learn, not to made to feel inferior because he or she does not know code
Maybe these statements are not meant to be degrading.
But I am quite sure that this group and many others would like to see new call signs
that can meet you on the Key or the Phone so lets encourage all new Hams to get that Key

73
ke7sbe

From: Chuck Schultz <_wq5b@..._ (mailto:wq5b@...) >
To: _ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com)
Sent: Saturday, November 26, 2011 6:41 AM
Subject: Re: [ham-antennas] Re: "dumming down"

The " Dungeon of Doom " you say? I had a similar experience in downtown Dallas . I had to copy code wearing ear phones salvaged from the Mayflower. Not to mention the cold stares of the examiner. If you failed the exam it would take six weeks before you could re-test. All in all it was worth it for the feeling I had as I left after passing . Chuck Wq5B

[Non-text portions of this message have been removed]

20831. RE: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 16:04:17 UTC
From: Richard Schmuke
Topic: 20828 Message: 20831

Jim, I would think it is the same as any other T-200-2B with the same height. If you take a look at my photo album you will see making baluns is a main part of the hobby for me. http://s1102.photobucket.com/albums/g453/KD0ZZ/

I follow the basic guide lines of a similar wind I find on the net but there is always a difference in what type of wire you use, I use magnet wire of difference gages, Teflon coated wire and/or speaker wire for different baluns I make. If I am trying something new I do a test wind and the check the point I get a 1:1 SWR reading at about 10 MHz, if you want to move the point of resonance it might require more windings if you want 160 and 80 the most and a winding or less for the 20 thru 10. Don’t believe the ads the lead you to think that the store bought balun is 1:1 across the bands. I use a analyzer but you can get by with your radio at reduced power and a SWR meter. That is the way I did it before I got a analyzer. I use a 200 Ohm carbon resistor for a 4:1 balun check, two of them for a 2:1 balun and so forth.

IMHO I have found that a duel winding Guanella 4:1 current balun gives me a wider range of good readings on a T-200 size core, as others say, your millage may vary.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Whitaker
Sent: Saturday, November 26, 2011 8:30 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help

I've decided to try winding my own 4:1 balun for my OCFD. I've found lots of information on winding it with a T130-2 core, but I happen to have 2 MICROMETALS T200-2B cores on hand, they are larger and more substantial so I would like to use one of those if possible. The problem is I cant find any information on using this toroid instead. Is anyone aware of a calculator or webpage that might help as to the number of turns per side with this toroid?

DE N8XYN Jim

TNX

[Non-text portions of this message have been removed]

20832. AW: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 16:17:12 UTC
From: Siegfried Jackstien
Topic: 20828 Message: 20832

As far as i know it is better to use 2 cores for a 1:4 current (NOT VOLTAGE!) balun ... so I would use BOTH of the cores, add 2 wires in parallel on each core, feed them in parallel on input (from coax) and connect output in series ...
Greetz
Sigi
Dg9bfc
Ps add a choke below that with different material for blocking rf travelling down the coax shield

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard Schmuke
> Gesendet: Samstag, 26. November 2011 16:04
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help
>
>
>
> Jim, I would think it is the same as any other T-200-2B with the same
> height. If you take a look at my photo album you will see making baluns is
> a main part of the hobby for me.
> http://s1102.photobucket.com/albums/g453/KD0ZZ/
>
> I follow the basic guide lines of a similar wind I find on the net but
> there is always a difference in what type of wire you use, I use magnet
> wire of difference gages, Teflon coated wire and/or speaker wire for
> different baluns I make. If I am trying something new I do a test wind and
> the check the point I get a 1:1 SWR reading at about 10 MHz, if you want
> to move the point of resonance it might require more windings if you want
> 160 and 80 the most and a winding or less for the 20 thru 10. Don’t
> believe the ads the lead you to think that the store bought balun is 1:1
> across the bands. I use a analyzer but you can get by with your radio at
> reduced power and a SWR meter. That is the way I did it before I got a
> analyzer. I use a 200 Ohm carbon resistor for a 4:1 balun check, two of
> them for a 2:1 balun and so forth.
>
> IMHO I have found that a duel winding Guanella 4:1 current balun gives me
> a wider range of good readings on a T-200 size core, as others say, your
> millage may vary.
>
> Rich ,KDØZZ , ☺
>
> from the middle of Missouri , out in the sticks with the hicks and the
> ticks.

>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>] On Behalf Of Jim Whitaker
> Sent: Saturday, November 26, 2011 8:30 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help
>
> I've decided to try winding my own 4:1 balun for my OCFD. I've found lots
> of information on winding it with a T130-2 core, but I happen to have 2
> MICROMETALS T200-2B cores on hand, they are larger and more substantial so
> I would like to use one of those if possible. The problem is I cant find
> any information on using this toroid instead. Is anyone aware of a
> calculator or webpage that might help as to the number of turns per side
> with this toroid?
>
> DE N8XYN Jim
>
> TNX
>
> [Non-text portions of this message have been removed]
>
>
>
>

20833. Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 16:26:36 UTC
From: fred
Topic: 20798 Message: 20833

headphones were probably either the cannon or baldwin with the hard bakelite ear cups that feel like two rocks on your ears .

andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, DVC3565@... wrote:
>
> Seeing as this thread WILL continue...I will throw my 3 cents in too.
> I agree that the hobby was dying, and IF we didn't get some new blood
> fast..we stood to lose some choice frequencies. All for the "no-code"
> licenses, but as and old dog I still have one item I can't let go.
> An EXTRA was always the goal, the best of the hams! (75M as the
> exception to that.)
> I, to this day feel that there should be a mandatory "waiting" period
> before you can receive a Extra ticket. In the old days it was 5 years.
> I am willing to split the difference and make it 2 years. But I have
> personally seen (as a VE) people come in, test, and walk out with an
> extra license..and know less than my 16 year old cat does about ham
> radio. (No BS! my cat can't copy code..but see associates my call
> sign coming out of the speaker meaning Dad is going to go play
> on the radio, and usually beats me down the hall to the shack.)
> I have been following this thread, even though it doesn't pertain
> to antennas. "Dumming down?" Maybe..maybe not. We NEED new
> hams!
> But to cheapen the highest license, is like letting a 6 month Martial
> Artist student test for a black belt..no matter how talented he/she
> is!
> BTW..I took code test at the Soldiers & Sailors Bldg. in Pittsburgh
> in 1977. The echo factor in the hall from the copy code was unreal!
> But I got my General. Didn't get my extra till late 80's in Florida.
> But as a Digital mode ham..I am still a Novice..got lot's to learn.
> My 3 cents is up!
> 73,
> Dave-KJ4PF
>
>
> In a message dated 11/26/2011 10:04:49 A.M. Eastern Standard Time,
> modkulla@... writes:
>
>
>
>
>
> Comment from a no-code General as follows
> IMHO

> I always wanted to be a Ham, it is not my fault that the code was not
> required when I testes, however
> I will make this statement "A new ham should be encouraged to learn CW".
> Comment some older seasoned hams make
> are very discouraging to a new person that really wants to learn, not to
> made to feel inferior because he or she does not know code
> Maybe these statements are not meant to be degrading.
> But I am quite sure that this group and many others would like to see new
> call signs
> that can meet you on the Key or the Phone so lets encourage all new Hams
> to get that Key
>
> 73
> ke7sbe
>
> From: Chuck Schultz <_wq5b@..._ (mailto:wq5b@...) >
> To: _ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com)
> Sent: Saturday, November 26, 2011 6:41 AM
> Subject: Re: [ham-antennas] Re: "dumming down"
>
>
> The " Dungeon of Doom " you say? I had a similar experience in downtown
> Dallas . I had to copy code wearing ear phones salvaged from the Mayflower.
> Not to mention the cold stares of the examiner. If you failed the exam it
> would take six weeks before you could re-test. All in all it was worth it for
> the feeling I had as I left after passing . Chuck Wq5B
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20834. RE: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 16:27:23 UTC
From: Jim Whitaker
Topic: 20828 Message: 20834

“I follow the basic guide lines of a similar wind I find on the net but there is always a difference in what type of wire you use, I use magnet wire of difference gages,”

So I guess I should start with winding it per standard instructions (8 turns per section) test and adjust from there. Sounds like a plan to me , You almost need an antenna analyzer to experiment with baluns, well at least it has to make the process simpler... thanks, btw your photos provided some help to.

DE N8XYN Jim

[Non-text portions of this message have been removed]

20835. Re: AW: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 16:29:31 UTC
From: Jim Whitaker
Topic: 20828 Message: 20835

“As far as i know it is better to use 2 cores for a 1:4 current (NOT VOLTAGE!) balun ... so I would use BOTH of the cores, add 2 wires in parallel on each core, feed them in parallel on input (from coax) and connect output in series ...
Greetz”

Does using both cores also improve power handling and/or band width?

DE N8XYN Jim

[Non-text portions of this message have been removed]

20836. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 16:31:59 UTC
From: Memwl
Topic: 20798 Message: 20836

Ok last comment before this gets pulled, I agree, I was one of those, I learned after I got my ticket, however
I made up my mind to learn
I was told by an old seasoned ham and one of my VE'S
License is the the beginning, now comes the learning
Nuff said

73
ke7sbe

>_____
> From: "DVC3565@..." <DVC3565@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, November 26, 2011 8:53 AM
>Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
>Seeing as this thread WILL continue...I will throw my 3 cents in too.
>I agree that the hobby was dying, and IF we didn't get some new blood
>fast..we stood to lose some choice frequencies. All for the "no-code"
>licenses, but as and old dog I still have one item I can't let go.
>An EXTRA was always the goal, the best of the hams! (75M as the
>exception to that.)
>I, to this day feel that there should be a mandatory "waiting" period
>before you can receive a Extra ticket. In the old days it was 5 years.
>I am willing to split the difference and make it 2 years. But I have
>personally seen (as a VE) people come in, test, and walk out with an
>extra license..and know less than my 16 year old cat does about ham
>radio. (No BS! my cat can't copy code..but see associates my call
>sign coming out of the speaker meaning Dad is going to go play
>on the radio, and usually beats me down the hall to the shack.)
>I have been following this thread, even though it doesn't pertain
>to antennas. "Dumming down?" Maybe..maybe not. We NEED new
>hams!
>But to cheapen the highest license, is like letting a 6 month Martial
>Artist student test for a black belt..no matter how talented he/she
>is!
>BTW..I took code test at the Soldiers & Sailors Bldg. in Pittsburgh
>in 1977. The echo factor in the hall from the copy code was unreal!
>But I got my General. Didn't get my extra till late 80's in Florida.
>But as a Digital mode ham..I am still a Novice..got lot's to learn.
>My 3 cents is up!
>73,
>Dave-KJ4PF

>
>
>In a message dated 11/26/2011 10:04:49 A.M. Eastern Standard Time,
>modkulla@... writes:
>
>Comment from a no-code General as follows
>IMHO
>I always wanted to be a Ham, it is not my fault that the code was not
>required when I testes, however
>I will make this statement "A new ham should be encouraged to learn CW".
>Comment some older seasoned hams make
>are very discouraging to a new person that really wants to learn, not to
>made to feel inferior because he or she does not know code
>Maybe these statements are not meant to be degrading.
>But I am quite sure that this group and many others would like to see new
>call signs
>that can meet you on the Key or the Phone so lets encourage all new Hams
>to get that Key
>
>73
>ke7sbe
>
>From: Chuck Schultz <_wq5b@..._ (mailto:wq5b@valornet.com) >
>To: _ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com)
>Sent: Saturday, November 26, 2011 6:41 AM
>Subject: Re: [ham-antennas] Re: "dumming down"
>
>The " Dungeon of Doom " you say? I had a similar experience in downtown
>Dallas . I had to copy code wearing ear phones salvaged from the Mayflower.
>Not to mention the cold stares of the examiner. If you failed the exam it
>would take six weeks before you could re-test. All in all it was worth it for
>the feeling I had as I left after passing . Chuck Wq5B
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

20837. RE: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 16:43:04 UTC
From: KA9EGW
Topic: 20798 Message: 20837

When I went to sit my Extra, by then the examiner I guess was getting somewhat used to seeing me every couple months, and greeted me on a first-name basis [deadpan]. When he finished grading my exam, he came out into the little anteroom and said "It's all over now", PERFECTLY dead-pan. I swear that guy never ever cracked a smile. He almost did when I went back for my Commercial. Almost.

You're right about the 'phones...I have a pair of the same kind here [Cannon Co. "Chief"] and they're still my preferred cw 'phones...

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Chuck Schultz
Sent: Saturday, November 26, 2011 7:41 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down"

The " Dungeon of Doom " you say? I had a similar experience in downtown Dallas . I had to copy code wearing ear phones salvaged from the Mayflower. Not to mention the cold stares of the examiner. If you failed the exam it would take six weeks before you could re-test. All in all it was worth it for the feeling I had as I left after passing .
Chuck Wq5B
----- Original Message -----
From: KA9EGW
To: ham-antennas@yahoogroups.com
Sent: Friday, November 25, 2011 10:21 AM
Subject: RE: [ham-antennas] Re: "dumming down"

When got my licenses, all the way from Novice in '79 to Extra in '81 plus my Commercial Radiotelephone in '82, I sat every single exam after Novice at
the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building, Chicago. By that time ham licenses had already migrated to multiple-guess, but the Commercial exam was still draw schematics and turn in your scratch sheet...

I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of "Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code practice tapes, and a good friend who got his licenses and his various upgrades the same time I did.

IMHO the biggest blow to Amateur Radio was the institution of the VE program...I used to be a VE, specifically the guy who gave CW exams...that

lasted til the boss VE insisted I pass people who couldn't copy at all for reasons I disagreed with...

73, Brian KA9EGW
"proud to be a know-code ham"

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On
Behalf Of Dan Schaaf
Sent: Friday, November 25, 2011 9:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down"

Those old days:
We had to draw schematics of oscillators and amplifiers and do some pretty heavy math. Not much multiple choice to be memorized, at least in 1963

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Friday, November 25, 2011 10:11 AM
Subject: Re: [ham-antennas] Re: "dumming down"

The old Teletype machines were absolutely amazing: all the complex mechanical work they did....just to print a single character! A true Rube Goldberg contraption that worked amazingly well.

As for "dumbing down", well heck, that's been complained about forever, at least since the FCC introduced the novice and tech licenses (in the 1950's?). BTW, back then the Tech exam was the same as the General exam except that the code requirement was 5 wpm instead of 13. Taking the Tech exam was an easy practice test for taking the General.

In reality, today's exams probably requires answering more technical questions than it did 40 years ago. However, having the question pool published does allow people to study and memorize the correct answers without understanding the questions or answers. (I am not saying that everyone does that, but it is possible I guess.) It used to be prohibited to
publish the actual questions and answers and the license guide just listed the types of subjects that the person would face. So today we have some people who got the answers right but didn't understand what they were answering.

OTOH, the whole formal Elmer concept came along 10-15 years after I got my license. I didn't have any mentors to help. I spent many, many hours reading

the Handbook and Antenna manual and old magazines on my own.

I passed my Extra back in 1967 in front of an FCC examiner, including copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work
allowed). Could I pass the current exam? Probably not without studying. But
what I do know now is real knowledge, not canned answers to canned questions. And maybe that's the real issue all the time: the older ops truly
know what they know just like new people today will really know what they know 30 or 40 years from now.

73, Ken WA8JXM

On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:

> I understand Dale and sometimes we new hams are to quick to stick the sword in. I am one ham who tried to understand everything I could on all three levels of testing that I took. Most of it I did understand and am ashamed to admitt, but forgot some of it because of lack of use and todays busy schedules. One thing I will disagree with is when a new ham says there
are no good elmers out there for them. I must have about 4 great elmers that
have really helped me out. I ask them questions all the time and if they look at me like im stupid I tell them remember where I came from, born in the late 60s HI HI. They are always very eager to help and teach me.
>
> I remember at a club meeting some of my elmers were talking about RTTY and talking about the machines and hardware they used for it. I had no clue
how the machines worked and never seen one, other than pictures. So when I stuck my nose in of course there was a little teasing going on but all in good fun. Anyways when I said I would like to see such a set up none of them
had one. Couple days later the one elmer gave me a call and told me to come
over when I had a chance. Went over and there it was. RTTY station all set up. Boy was that fun. That is a good Elmer. It is because of my Elmers that
I am so very fond of the CW mode and have progessed at it so well. So sometimes we new hams have to read between the lines and so often we don't.
Tony

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20838. Re: [ham-antennas] long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 17:17:16 UTC
From: WA8JXM
Topic: 20821 Message: 20838

On Nov 26, 2011, at 1:20 AM, dean wrote:

> thanks I found a program that shows what I want. I just had to rephrase my question in google to find it. It shows the short path but I can follow it backwards and have the long path. The long path to Spain from here is over 19k miles according to one of the programs I’m using.

The long path is aways 24,600 miles less the short path distance.

Ken

20839. RE: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 17:37:47 UTC
From: Richard Schmuke
Topic: 20828 Message: 20839

I agree with Sigi about the two cores, I found the two core balun I made to be better the a single core and for further reference my twin rod balun turned out the best. Twin T200-2B,s would be going into the multi KW range. I used a few turns of RG-8X for my blocking choke but then I don’t run high power.

Rich, Kd0zz

Subject: AW: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help

As far as i know it is better to use 2 cores for a 1:4 current (NOT VOLTAGE!) balun ... so I would use BOTH of the cores, add 2 wires in parallel on each core, feed them in parallel on input (from coax) and connect output in series ...
Greetz
Sigi
Dg9bfc
Ps add a choke below that with different material for blocking rf travelling down the coax shield

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>] Im
> Auftrag von Richard Schmuke
> Gesendet: Samstag, 26. November 2011 16:04
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: RE: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help
>
>
>
> Jim, I would think it is the same as any other T-200-2B with the same
> height. If you take a look at my photo album you will see making baluns is
> a main part of the hobby for me.
> http://s1102.photobucket.com/albums/g453/KD0ZZ/
>
> I follow the basic guide lines of a similar wind I find on the net but
> there is always a difference in what type of wire you use, I use magnet
> wire of difference gages, Teflon coated wire and/or speaker wire for
> different baluns I make. If I am trying something new I do a test wind and
> the check the point I get a 1:1 SWR reading at about 10 MHz, if you want
> to move the point of resonance it might require more windings if you want
> 160 and 80 the most and a winding or less for the 20 thru 10. Don’t
> believe the ads the lead you to think that the store bought balun is 1:1
> across the bands. I use a analyzer but you can get by with your radio at
> reduced power and a SWR meter. That is the way I did it before I got a
> analyzer. I use a 200 Ohm carbon resistor for a 4:1 balun check, two of
> them for a 2:1 balun and so forth.

>
> IMHO I have found that a duel winding Guanella 4:1 current balun gives me
> a wider range of good readings on a T-200 size core, as others say, your
> millage may vary.
>
> Rich ,KDØZZ , ☺
>
> from the middle of Missouri , out in the sticks with the hicks and the
> ticks.
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-
> antennas%40yahoogroups.com>] On Behalf Of Jim Whitaker
> Sent: Saturday, November 26, 2011 8:30 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help
>
> I've decided to try winding my own 4:1 balun for my OCFD. I've found lots
> of information on winding it with a T130-2 core, but I happen to have 2
> MICROMETALS T200-2B cores on hand, they are larger and more substantial so
> I would like to use one of those if possible. The problem is I cant find
> any information on using this toroid instead. Is anyone aware of a
> calculator or webpage that might help as to the number of turns per side
> with this toroid?
>
> DE N8XYN Jim
>
> TNX
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

20840. Re: [ham-antennas] long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 18:07:12 UTC
From: Dan Schaaf
Topic: 20821 Message: 20840

Download free of charge DXAtas from DXAtlas.com
You can calculate any distance to anywhere and see Grey Line real time,
Sunrise and sunset times etc etc.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: "WA8JXM" <wa8jxm@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, November 26, 2011 12:17 PM
Subject: Re: [ham-antennas] long path

On Nov 26, 2011, at 1:20 AM, dean wrote:

> thanks I found a program that shows what I want. I just had to rephrase
> my question in google to find it. It shows the short path but I can
> follow it backwards and have the long path. The long path to Spain from
> here is over 19k miles according to one of the programs I?m using.

The long path is aways 24,600 miles less the short path distance.

Ken

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20841. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 18:23:19 UTC
From: Dale H. Cole K8TS
Topic: 20798 Message: 20841

well said.

----- Original Message -----
From: "Memwl" <modkulla@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 26, 2011 10:04:42 AM
Subject: Re: [ham-antennas] Re: "dumming down"

Comment from a no-code General as follows
IMHO
I always wanted to be a Ham, it is not my fault that the code was not required when I testes, however
I will make this statement "A new ham should be encouraged to learn CW". Comment some older seasoned hams make
are very discouraging to a new person that really wants to learn, not to made to feel inferior because he or she does not know code
Maybe these statements are not meant to be degrading.
But I am quite sure that this group and many others would like to see new call signs that can meet you on the Key or the Phone so lets encourage all new Hams to get that Key

73
ke7sbe

>_____
> From: Chuck Schultz < wq5b@... >
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, November 26, 2011 6:41 AM
>Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
>The " Dungeon of Doom " you say? I had a similar experience in downtown Dallas . I had to copy code wearing ear phones salvaged from the Mayflower. Not to mention the cold stares of the examiner. If you failed the exam it would take six weeks before you could re-test. All in all it was worth it for the feeling I had as I left after passing . Chuck Wq5B
>----- Original Message -----
>From: KA9EGW
>To: ham-antennas@yahoogroups.com
>Sent: Friday, November 25, 2011 10:21 AM
>Subject: RE: [ham-antennas] Re: "dumming down"
>
>When got my licenses, all the way from Novice in '79 to Extra in '81 plus
>my Commercial Radiotelephone in '82, I sat every single exam after Novice at
>the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building,
>Chicago. By that time ham licenses had already migrated to multiple-guess,
>but the Commercial exam was still draw schematics and turn in your scratch

>sheet...
>
>I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of
>"Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a
>trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code
>practice tapes, and a good friend who got his licenses and his various
>upgrades the same time I did.
>
>IMHO the biggest blow to Amateur Radio was the institution of the VE
>program...I used to be a VE, specifically the guy who gave CW exams...that
>lasted til the boss VE insisted I pass people who couldn't copy at all for
>reasons I disagreed with...
>
>73, Brian KA9EGW
>"proud to be a know-code ham"
>
>-----Original Message-----
>From: ham-antennas@yahoogroups.com [mailto: ham-antennas@yahoogroups.com] On
>Behalf Of Dan Schaaf
>Sent: Friday, November 25, 2011 9:20 AM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Re: "dumming down"
>
>Those old days:
>We had to draw schematics of oscillators and amplifiers and do some pretty
>heavy math. Not much multiple choice to be memorized, at least in 1963
>
>Best Regards
>Dan Schaaf
>K3ZXL www.k3zxl.com
>
>----- Original Message -----
>From: WA8JXM
>To: ham-antennas@yahoogroups.com
>Sent: Friday, November 25, 2011 10:11 AM
>Subject: Re: [ham-antennas] Re: "dumming down"
>
>The old Teletype machines were absolutely amazing: all the complex
>mechanical work they did....just to print a single character! A true Rube
>Goldberg contraption that worked amazingly well.
>
>As for "dumbing down", well heck, that's been complained about forever, at
>least since the FCC introduced the novice and tech licenses (in the
>1950's?). BTW, back then the Tech exam was the same as the General exam
>except that the code requirement was 5 wpm instead of 13. Taking the Tech
>exam was an easy practice test for taking the General.
>
>In reality, today's exams probably requires answering more technical
>questions than it did 40 years ago. However, having the question pool
>published does allow people to study and memorize the correct answers

>without understanding the questions or answers. (I am not saying that
>everyone does that, but it is possible I guess.) It used to be prohibited to
>publish the actual questions and answers and the license guide just listed
>the types of subjects that the person would face. So today we have some
>people who got the answers right but didn't understand what they were
>answering.
>
>OTOH, the whole formal Elmer concept came along 10-15 years after I got my
>license. I didn't have any mentors to help. I spent many, many hours reading
>the Handbook and Antenna manual and old magazines on my own.
>
>I passed my Extra back in 1967 in front of an FCC examiner, including
>copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work
>allowed). Could I pass the current exam? Probably not without studying. But
>what I do know now is real knowledge, not canned answers to canned
>questions. And maybe that's the real issue all the time: the older ops truly
>know what they know just like new people today will really know what they
>know 30 or 40 years from now.
>
>73, Ken WA8JXM
>
>On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
>
>> I understand Dale and sometimes we new hams are to quick to stick the
>sword in. I am one ham who tried to understand everything I could on all
>three levels of testing that I took. Most of it I did understand and am
>ashamed to admitt, but forgot some of it because of lack of use and todays
>busy schedules. One thing I will disagree with is when a new ham says there
>are no good elmers out there for them. I must have about 4 great elmers that
>have really helped me out. I ask them questions all the time and if they
>look at me like im stupid I tell them remember where I came from, born in
>the late 60s HI HI. They are always very eager to help and teach me.
>>
>> I remember at a club meeting some of my elmers were talking about RTTY
>and talking about the machines and hardware they used for it. I had no clue
>how the machines worked and never seen one, other than pictures. So when I
>stuck my nose in of course there was a little teasing going on but all in
>good fun. Anyways when I said I would like to see such a set up none of them
>had one. Couple days later the one elmer gave me a call and told me to come
>over when I had a chance. Went over and there it was. RTTY station all set
>up. Boy was that fun. That is a good Elmer. It is because of my Elmers that
>I am so very fond of the CW mode and have progessed at it so well. So
>sometimes we new hams have to read between the lines and so often we don't.
>Tony
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>------------------------------------

>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
>to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause
>for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
>
>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20842. Re: [ham-antennas] long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 18:33:11 UTC
From: dean
Topic: 20821 Message: 20842

I downloaded DXview and it seems to do the job. I put in the callsign and it gives me a world of info. I believe my HRD log shows the distance but I wanted to see the path besides knowing the distance.

thanks

73, WY6L

-----Original Message-----
From: Dan Schaaf
Sent: Saturday, November 26, 2011 10:07 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] long path

Download free of charge DXAtas from DXAtlas.com
You can calculate any distance to anywhere and see Grey Line real time, Sunrise and sunset times etc etc.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: "WA8JXM" <wa8jxm@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, November 26, 2011 12:17 PM
Subject: Re: [ham-antennas] long path

On Nov 26, 2011, at 1:20 AM, dean wrote:

> thanks I found a program that shows what I want. I just had to rephrase
> my question in google to find it. It shows the short path but I can
> follow it backwards and have the long path. The long path to Spain from
> here is over 19k miles according to one of the programs I?m using.

The long path is aways 24,600 miles less the short path distance.

Ken

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause

for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20843. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 18:43:40 UTC
From: Jim Whitaker
Topic: 20798 Message: 20843

“Comment from a no-code General as follows
IMHO
I always wanted to be a Ham, it is not my fault that the code was not required when I testes, however
I will make this statement "A new ham should be encouraged to learn CW". Comment some older seasoned hams make
are very discouraging to a new person that really wants to learn, not to made to feel inferior because he or she does not know code
Maybe these statements are not meant to be degrading.
But I am quite sure that this group and many others would like to see new call signs
that can meet you on the Key or the Phone so lets encourage all new Hams to get that Key “

This argument has been going on since the first days of radio. As a matter of fact this is the same thing as your parents saying “In my day people didn’t act like that”. Code is gone so everyone needs to get over it. In the present time it would make more sense to say you need to type at 35 WPM to pass. That’ll leave a lot of the older op’s out in the cold. A lot of the worst behavior I’ve heard on the air involves hams that have been licensed for a long time squatting on a frequency with the “it’s mine” attitude. I just overheard what can best be described as a name calling children's fight this morning on 40 meters involving 2 extra’s, go figure, both were saying they were going to write the FCC about the other. Personally I should have recorded them and sent that to the FCC and both of them could have been corrected. I would just like us to act in a way that doesn't embarrass us to the rest of the world, no one seems to remember the fact that everything you say on HF is likely to be heard all over the world. I’m sure there must have been a time when you received information and encouragement from more experienced amateurs, it’s time we get back to a place where we remember we are all here because we have things in common or we wouldn’t be talking to each other...

DE N8XYN Jim 73

[Non-text portions of this message have been removed]

20844. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 19:02:31 UTC
From: KI4TJY
Topic: 20798 Message: 20844

Ditto! I for one get very tired of all the gabbing about this inconsequential subject. I got my licenses - Tech, General, & EXTRA - after 45 years of wanting to be a HAM now that I am retired I'm going to enjoy the hobby regardless of the opinion of some old timers who want to downgrade anyone with an Extra ticket and the lack of CW. By the way it is on my to learn list, but the more I hear of this bantering the less likely I am to want to join the exclusive club that is being professed. So please can we quit beating this poor dead horse. Sorry but I reached my limit.
73
Bruce/KI4TJY

Sent from my iPad

On Nov 26, 2011, at 1:23 PM, "Dale H. Cole K8TS" <k9ttt@comcast.net> wrote:

> well said.
>
> ----- Original Message -----
> From: "Memwl" <modkulla@...>
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, November 26, 2011 10:04:42 AM
> Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
> Comment from a no-code General as follows
> IMHO
> I always wanted to be a Ham, it is not my fault that the code was not required when I testes, however
> I will make this statement "A new ham should be encouraged to learn CW". Comment some older seasoned hams make
> are very discouraging to a new person that really wants to learn, not to made to feel inferior because he or she does not know code
> Maybe these statements are not meant to be degrading.
> But I am quite sure that this group and many others would like to see new call signs
> that can meet you on the Key or the Phone so lets encourage all new Hams to get that Key
>
> 73
> ke7sbe
>
> >_____
> > From: Chuck Schultz < wq5b@... >
> >To: ham-antennas@yahoogroups.com
> >Sent: Saturday, November 26, 2011 6:41 AM
> >Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >

> >
> >The " Dungeon of Doom " you say? I had a similar experience in downtown Dallas . I had to copy code wearing ear phones salvaged from the Mayflower. Not to mention the cold stares of the examiner. If you failed the exam it would take six weeks before you could re-test. All in all it was worth it for the feeling I had as I left after passing . Chuck Wq5B
> >----- Original Message -----
> >From: KA9EGW
> >To: ham-antennas@yahoogroups.com
> >Sent: Friday, November 25, 2011 10:21 AM
> >Subject: RE: [ham-antennas] Re: "dumming down"
> >
> >When got my licenses, all the way from Novice in '79 to Extra in '81 plus
> >my Commercial Radiotelephone in '82, I sat every single exam after Novice at
> >the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building,
> >Chicago. By that time ham licenses had already migrated to multiple-guess,
> >but the Commercial exam was still draw schematics and turn in your scratch
> >sheet...
> >
> >I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of
> >"Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a
> >trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code
> >practice tapes, and a good friend who got his licenses and his various
> >upgrades the same time I did.
> >
> >IMHO the biggest blow to Amateur Radio was the institution of the VE
> >program...I used to be a VE, specifically the guy who gave CW exams...that
> >lasted til the boss VE insisted I pass people who couldn't copy at all for
> >reasons I disagreed with...
> >
> >73, Brian KA9EGW
> >"proud to be a know-code ham"
> >
> >-----Original Message-----
> >From: ham-antennas@yahoogroups.com [mailto: ham-antennas@yahoogroups.com] On
> >Behalf Of Dan Schaaf
> >Sent: Friday, November 25, 2011 9:20 AM
> >To: ham-antennas@yahoogroups.com
> >Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >Those old days:
> >We had to draw schematics of oscillators and amplifiers and do some pretty
> >heavy math. Not much multiple choice to be memorized, at least in 1963
> >
> >Best Regards
> >Dan Schaaf
> >K3ZXL www.k3zxl.com
> >
> >----- Original Message -----
> >From: WA8JXM
> >To: ham-antennas@yahoogroups.com

> >Sent: Friday, November 25, 2011 10:11 AM
> >Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >The old Teletype machines were absolutely amazing: all the complex
> >mechanical work they did....just to print a single character! A true Rube
> >Goldberg contraption that worked amazingly well.
> >
> >As for "dumbing down", well heck, that's been complained about forever, at
> >least since the FCC introduced the novice and tech licenses (in the
> >1950's?). BTW, back then the Tech exam was the same as the General exam
> >except that the code requirement was 5 wpm instead of 13. Taking the Tech
> >exam was an easy practice test for taking the General.
> >
> >In reality, today's exams probably requires answering more technical
> >questions than it did 40 years ago. However, having the question pool
> >published does allow people to study and memorize the correct answers
> >without understanding the questions or answers. (I am not saying that
> >everyone does that, but it is possible I guess.) It used to be prohibited to
> >publish the actual questions and answers and the license guide just listed
> >the types of subjects that the person would face. So today we have some
> >people who got the answers right but didn't understand what they were
> >answering.
> >
> >OTOH, the whole formal Elmer concept came along 10-15 years after I got my
> >license. I didn't have any mentors to help. I spent many, many hours reading
> >the Handbook and Antenna manual and old magazines on my own.
> >
> >I passed my Extra back in 1967 in front of an FCC examiner, including
> >copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work
> >allowed). Could I pass the current exam? Probably not without studying. But
> >what I do know now is real knowledge, not canned answers to canned
> >questions. And maybe that's the real issue all the time: the older ops truly
> >know what they know just like new people today will really know what they
> >know 30 or 40 years from now.
> >
> >73, Ken WA8JXM
> >
> >On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
> >
> >> I understand Dale and sometimes we new hams are to quick to stick the
> >sword in. I am one ham who tried to understand everything I could on all
> >three levels of testing that I took. Most of it I did understand and am
> >ashamed to admitt, but forgot some of it because of lack of use and todays
> >busy schedules. One thing I will disagree with is when a new ham says there
> >are no good elmers out there for them. I must have about 4 great elmers that
> >have really helped me out. I ask them questions all the time and if they
> >look at me like im stupid I tell them remember where I came from, born in
> >the late 60s HI HI. They are always very eager to help and teach me.
> >>
> >> I remember at a club meeting some of my elmers were talking about RTTY

> >and talking about the machines and hardware they used for it. I had no clue
> >how the machines worked and never seen one, other than pictures. So when I
> >stuck my nose in of course there was a little teasing going on but all in
> >good fun. Anyways when I said I would like to see such a set up none of them
> >had one. Couple days later the one elmer gave me a call and told me to come
> >over when I had a chance. Went over and there it was. RTTY station all set
> >up. Boy was that fun. That is a good Elmer. It is because of my Elmers that
> >I am so very fond of the CW mode and have progessed at it so well. So
> >sometimes we new hams have to read between the lines and so often we don't.
> >Tony
> >
> >[Non-text portions of this message have been removed]
> >
> >[Non-text portions of this message have been removed]
> >
> >------------------------------------
> >
> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> >to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> >Any statements in ANY post that may be construed as inflamatory MAY be cause
> >for suspension. Moderators WILL have final say in these matters.
> >Post message: ham-antennas@yahoogroups.com
> >Subscribe: ham-antennas-subscribe@yahoogroups.com
> >Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> >List owner: ham-antennas-owner@yahoogroups.com
> >Yahoo! Groups Links
> >
> >No virus found in this message.
> >Checked by AVG - www.avg.com
> >Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
> >
> >No virus found in this message.
> >Checked by AVG - www.avg.com
> >Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
> >
> >[Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

20845. RE: AW: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 19:14:13 UTC
From: Richard Schmuke
Topic: 20828 Message: 20845

Yes and yes.

Rich

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Whitaker
Sent: Saturday, November 26, 2011 10:30 AM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] MICROMETALS T200-2B -VS- T130-2 Help

“As far as i know it is better to use 2 cores for a 1:4 current (NOT VOLTAGE!) balun ... so I would use BOTH of the cores, add 2 wires in parallel on each core, feed them in parallel on input (from coax) and connect output in series ...
Greetz”

Does using both cores also improve power handling and/or band width?

DE N8XYN Jim

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20846. Re: [ham-antennas] long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 20:09:12 UTC
From: Dan Schaaf
Topic: 20821 Message: 20846

looks like DXView uses DXAtlas from what is see on that webpage

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: "dean" <deanf@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, November 26, 2011 1:33 PM
Subject: Re: [ham-antennas] long path

>I downloaded DXview and it seems to do the job. I put in the callsign and
> it gives me a world of info. I believe my HRD log shows the distance but
> I
> wanted to see the path besides knowing the distance.
>
> thanks
>
> 73, WY6L
>
> -----Original Message-----
> From: Dan Schaaf
> Sent: Saturday, November 26, 2011 10:07 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] long path
>
> Download free of charge DXAtas from DXAtlas.com
> You can calculate any distance to anywhere and see Grey Line real time,
> Sunrise and sunset times etc etc.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
>
> ----- Original Message -----
> From: "WA8JXM" <wa8jxm@...>

> To: <ham-antennas@yahoogroups.com>
> Sent: Saturday, November 26, 2011 12:17 PM
> Subject: Re: [ham-antennas] long path
>
>
>
> On Nov 26, 2011, at 1:20 AM, dean wrote:
>
>> thanks I found a program that shows what I want. I just had to rephrase
>> my question in google to find it. It shows the short path but I can
>> follow it backwards and have the long path. The long path to Spain from
>> here is over 19k miles according to one of the programs I?m using.
>
> The long path is aways 24,600 miles less the short path distance.
>
> Ken
>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links

>
>
>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

20847. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 20:13:45 UTC
From: From the desk of Allan Bell
Topic: 20798 Message: 20847

I've been reading this thread since it began a few days ago and haven't said a word until now.

I am 53 yrs of age and for as long as I can remember I wanted to get a license, even just a Tech license just to say I accomplished something in life.

What prevented me from doing it, the code prevented me.
Now you are all probably sitting there in your recliners or easy chairs saying how can this guy lay blame on the code and say that's what prevented him from getting a license. It's very easy, it's called a Learning Disability. People with certain learning disabilities do not understand some things no matter how hard you try tech them or no matter how hard they work to try and understand.

Well I was one of those kinds of people. I have been studying hard for the past year to get my Tech License and still have a ways to go.

I'm sorry to say this, but those old timers out here talking about the code this the code that and how the code should rule the air waves make people like me have second thoughts about wanting to be a ham. You make us feel like the lowest class

Just my 2 cents

From: KI4TJY
Sent: Saturday, November 26, 2011 11:02 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down"

Ditto! I for one get very tired of all the gabbing about this inconsequential subject. I got my licenses - Tech, General, & EXTRA - after 45 years of wanting to be a HAM now that I am retired I'm going to enjoy the hobby regardless of the opinion of some old timers who want to downgrade anyone with an Extra ticket and the lack of CW. By the way it is on my to learn list, but the more I hear of this bantering the less likely I am to want to join the exclusive club that is being professed. So please can we quit beating this poor dead horse. Sorry but I reached my limit.
73
Bruce/KI4TJY

Sent from my iPad

On Nov 26, 2011, at 1:23 PM, "Dale H. Cole K8TS" <mailto:k9ttt%40comcast.net> wrote:

> well said.
>
> ----- Original Message -----
> From: "Memwl" <mailto:modkulla%40yahoo.com>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Saturday, November 26, 2011 10:04:42 AM

> Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
> Comment from a no-code General as follows
> IMHO
> I always wanted to be a Ham, it is not my fault that the code was not required when I testes, however
> I will make this statement "A new ham should be encouraged to learn CW". Comment some older seasoned hams make
> are very discouraging to a new person that really wants to learn, not to made to feel inferior because he or she does not know code
> Maybe these statements are not meant to be degrading.
> But I am quite sure that this group and many others would like to see new call signs
> that can meet you on the Key or the Phone so lets encourage all new Hams to get that Key
>
> 73
> ke7sbe
>
> >_____
> > From: Chuck Schultz < mailto:wq5b%40valornet.com >
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Saturday, November 26, 2011 6:41 AM
> >Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >
> >
> >The " Dungeon of Doom " you say? I had a similar experience in downtown Dallas . I had to copy code wearing ear phones salvaged from the Mayflower. Not to mention the cold stares of the examiner. If you failed the exam it would take six weeks before you could re-test. All in all it was worth it for the feeling I had as I left after passing . Chuck Wq5B
> >----- Original Message -----
> >From: KA9EGW
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Friday, November 25, 2011 10:21 AM
> >Subject: RE: [ham-antennas] Re: "dumming down"
> >
> >When got my licenses, all the way from Novice in '79 to Extra in '81 plus
> >my Commercial Radiotelephone in '82, I sat every single exam after Novice at
> >the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building,
> >Chicago. By that time ham licenses had already migrated to multiple-guess,
> >but the Commercial exam was still draw schematics and turn in your scratch
> >sheet...
> >
> >I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of
> >"Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a
> >trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code
> >practice tapes, and a good friend who got his licenses and his various
> >upgrades the same time I did.
> >

> >IMHO the biggest blow to Amateur Radio was the institution of the VE
> >program...I used to be a VE, specifically the guy who gave CW exams...that
> >lasted til the boss VE insisted I pass people who couldn't copy at all for
> >reasons I disagreed with...
> >
> >73, Brian KA9EGW
> >"proud to be a know-code ham"
> >
> >-----Original Message-----
> >From: mailto:ham-antennas%40yahoogroups.com [mailto:
mailto:ham-antennas%40yahoogroups.com] On
> >Behalf Of Dan Schaaf
> >Sent: Friday, November 25, 2011 9:20 AM
> >To: mailto:ham-antennas%40yahoogroups.com
> >Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >Those old days:
> >We had to draw schematics of oscillators and amplifiers and do some pretty
> >heavy math. Not much multiple choice to be memorized, at least in 1963
> >
> >Best Regards
> >Dan Schaaf
> >K3ZXL www.k3zxl.com
> >
> >----- Original Message -----
> >From: WA8JXM
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Friday, November 25, 2011 10:11 AM
> >Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >The old Teletype machines were absolutely amazing: all the complex
> >mechanical work they did....just to print a single character! A true Rube
> >Goldberg contraption that worked amazingly well.
> >
> >As for "dumbing down", well heck, that's been complained about forever, at
> >least since the FCC introduced the novice and tech licenses (in the
> >1950's?). BTW, back then the Tech exam was the same as the General exam
> >except that the code requirement was 5 wpm instead of 13. Taking the Tech
> >exam was an easy practice test for taking the General.
> >
> >In reality, today's exams probably requires answering more technical
> >questions than it did 40 years ago. However, having the question pool
> >published does allow people to study and memorize the correct answers
> >without understanding the questions or answers. (I am not saying that
> >everyone does that, but it is possible I guess.) It used to be prohibited to
> >publish the actual questions and answers and the license guide just listed
> >the types of subjects that the person would face. So today we have some
> >people who got the answers right but didn't understand what they were
> >answering.
> >

> >OTOH, the whole formal Elmer concept came along 10-15 years after I got my
> >license. I didn't have any mentors to help. I spent many, many hours reading
> >the Handbook and Antenna manual and old magazines on my own.
> >
> >I passed my Extra back in 1967 in front of an FCC examiner, including
> >copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work
> >allowed). Could I pass the current exam? Probably not without studying. But
> >what I do know now is real knowledge, not canned answers to canned
> >questions. And maybe that's the real issue all the time: the older ops truly
> >know what they know just like new people today will really know what they
> >know 30 or 40 years from now.
> >
> >73, Ken WA8JXM
> >
> >On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
> >
> >> I understand Dale and sometimes we new hams are to quick to stick the
> >sword in. I am one ham who tried to understand everything I could on all
> >three levels of testing that I took. Most of it I did understand and am
> >ashamed to admitt, but forgot some of it because of lack of use and todays
> >busy schedules. One thing I will disagree with is when a new ham says there
> >are no good elmers out there for them. I must have about 4 great elmers that
> >have really helped me out. I ask them questions all the time and if they
> >look at me like im stupid I tell them remember where I came from, born in
> >the late 60s HI HI. They are always very eager to help and teach me.
> >>
> >> I remember at a club meeting some of my elmers were talking about RTTY
> >and talking about the machines and hardware they used for it. I had no clue
> >how the machines worked and never seen one, other than pictures. So when I
> >stuck my nose in of course there was a little teasing going on but all in
> >good fun. Anyways when I said I would like to see such a set up none of them
> >had one. Couple days later the one elmer gave me a call and told me to come
> >over when I had a chance. Went over and there it was. RTTY station all set
> >up. Boy was that fun. That is a good Elmer. It is because of my Elmers that
> >I am so very fond of the CW mode and have progessed at it so well. So
> >sometimes we new hams have to read between the lines and so often we don't.
> >Tony
> >
> >[Non-text portions of this message have been removed]
> >
> >[Non-text portions of this message have been removed]
> >
> >------------------------------------
> >
> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> >to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> >Any statements in ANY post that may be construed as inflamatory MAY be cause
> >for suspension. Moderators WILL have final say in these matters.
> >Post message: mailto:ham-antennas%40yahoogroups.com
> >Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com

> >Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> >List owner: mailto:ham-antennas-owner%40yahoogroups.com
> >Yahoo! Groups Links
> >
> >No virus found in this message.
> >Checked by AVG - www.avg.com
> >Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
> >
> >No virus found in this message.
> >Checked by AVG - www.avg.com
> >Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
> >
> >[Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20848. EZNEC-ARRL

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 21:02:44 UTC
From: Scott & Sherry Souva
Topic: 20848 Message: 20848

Is the EZNEC-ARRL v5.0 that is included in the ARRL Antenna Book (22nd Edition) limited or disabled in any way? I am thinking purchasing the latest version of the ARRL Antenna Book and having EZNEC included sounds like a good deal. Is it too good to be true?

Scott
KG2S

20849. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 21:56:58 UTC
From: Dan Schaaf
Topic: 20798 Message: 20849

Allan,

I too have been reading this thread and I tend to agree with you. Not everyone has the ability to learn the code. It is like learning a language. Some people can learn it and some can't.
I was originally licensed in 1963 and eventually got my Advanced Class. Couldn't get past 15 WPM to take the Extra.

But, since 2005, I became an active DXer and I can copy limited code up to 35 WPM in my head. It just took a lot of listening and comparing what I heard with what I saw on the screen in the program CWGet.

But, I do not put people down for their inability to copy code. There are enough other modes available to keep a ham busy for a long time.

When I am in the shack, I have the headphones on and I will listen to a DXPedition sending out QSOs. I do this while I am busy with other things. What I hear is many different call signs being responded to by the DX Station. After a while I don't even think about what I am hearing. I just recognize call signs that are common in the DX community. Then after a while calls that I do not recognize start to pop into my head. It is a sort of code practice.

What is much more frustrating on the bands is not the lack of ability to use CW but rather the Internet DXers who click their mouse on a DX Cluster Spot to auto tune their radio. Too many times it happens that they did not look at the Cluster Spot comments that may say UP 5. So, they tune on top of the DX and then call on top of the DX.

The DX will frequently announce where he is listening. But too many of these internet DXers don't bother to listen before they call.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: From the desk of Allan Bell
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 26, 2011 3:13 PM
Subject: Re: [ham-antennas] Re: "dumming down"

I’ve been reading this thread since it began a few days ago and haven’t said a word until now.

I am 53 yrs of age and for as long as I can remember I wanted to get a license, even just a Tech license just to say I accomplished something in life.

What prevented me from doing it, the code prevented me.
Now you are all probably sitting there in your recliners or easy chairs saying how can this guy lay blame on the code and say that’s what prevented him from getting a license. It’s very easy, it’s called a Learning Disability. People with certain learning disabilities do not understand some things no matter how hard you try tech them or no matter how hard they work to try and understand.

Well I was one of those kinds of people. I have been studying hard for the past year to get my Tech License and still have a ways to go.

I’m sorry to say this, but those old timers out here talking about the code this the code that and how the code should rule the air waves make people like me have second thoughts about wanting to be a ham. You make us feel like the lowest class

Just my 2 cents

From: KI4TJY
Sent: Saturday, November 26, 2011 11:02 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down"

Ditto! I for one get very tired of all the gabbing about this inconsequential subject. I got my licenses - Tech, General, & EXTRA - after 45 years of wanting to be a HAM now that I am retired I'm going to enjoy the hobby regardless of the opinion of some old timers who want to downgrade anyone with an Extra ticket and the lack of CW. By the way it is on my to learn list, but the more I hear of this bantering the less likely I am to want to join the exclusive club that is being professed. So please can we quit beating this poor dead horse. Sorry but I reached my limit.
73
Bruce/KI4TJY

Sent from my iPad

On Nov 26, 2011, at 1:23 PM, "Dale H. Cole K8TS" <mailto:k9ttt%40comcast.net> wrote:

> well said.
>
> ----- Original Message -----
> From: "Memwl" <mailto:modkulla%40yahoo.com>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Saturday, November 26, 2011 10:04:42 AM
> Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
> Comment from a no-code General as follows
> IMHO
> I always wanted to be a Ham, it is not my fault that the code was not required when I testes, however
> I will make this statement "A new ham should be encouraged to learn CW". Comment some

older seasoned hams make
> are very discouraging to a new person that really wants to learn, not to made to feel inferior because he or she does not know code
> Maybe these statements are not meant to be degrading.
> But I am quite sure that this group and many others would like to see new call signs
> that can meet you on the Key or the Phone so lets encourage all new Hams to get that Key
>
> 73
> ke7sbe
>
> >_____
> > From: Chuck Schultz < mailto:wq5b%40valornet.com >
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Saturday, November 26, 2011 6:41 AM
> >Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >
> >
> >The " Dungeon of Doom " you say? I had a similar experience in downtown Dallas . I had to copy code wearing ear phones salvaged from the Mayflower. Not to mention the cold stares of the examiner. If you failed the exam it would take six weeks before you could re-test. All in all it was worth it for the feeling I had as I left after passing . Chuck Wq5B
> >----- Original Message -----
> >From: KA9EGW
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Friday, November 25, 2011 10:21 AM
> >Subject: RE: [ham-antennas] Re: "dumming down"
> >
> >When got my licenses, all the way from Novice in '79 to Extra in '81 plus
> >my Commercial Radiotelephone in '82, I sat every single exam after Novice at
> >the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building,
> >Chicago. By that time ham licenses had already migrated to multiple-guess,
> >but the Commercial exam was still draw schematics and turn in your scratch
> >sheet...
> >
> >I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of
> >"Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a
> >trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code
> >practice tapes, and a good friend who got his licenses and his various
> >upgrades the same time I did.
> >
> >IMHO the biggest blow to Amateur Radio was the institution of the VE
> >program...I used to be a VE, specifically the guy who gave CW exams...that
> >lasted til the boss VE insisted I pass people who couldn't copy at all for
> >reasons I disagreed with...
> >
> >73, Brian KA9EGW
> >"proud to be a know-code ham"
> >
> >-----Original Message-----
> >From: mailto:ham-antennas%40yahoogroups.com [mailto:

mailto:ham-antennas%40yahoogroups.com] On
> >Behalf Of Dan Schaaf
> >Sent: Friday, November 25, 2011 9:20 AM
> >To: mailto:ham-antennas%40yahoogroups.com
> >Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >Those old days:
> >We had to draw schematics of oscillators and amplifiers and do some pretty
> >heavy math. Not much multiple choice to be memorized, at least in 1963
> >
> >Best Regards
> >Dan Schaaf
> >K3ZXL www.k3zxl.com
> >
> >----- Original Message -----
> >From: WA8JXM
> >To: mailto:ham-antennas%40yahoogroups.com
> >Sent: Friday, November 25, 2011 10:11 AM
> >Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >The old Teletype machines were absolutely amazing: all the complex
> >mechanical work they did....just to print a single character! A true Rube
> >Goldberg contraption that worked amazingly well.
> >
> >As for "dumbing down", well heck, that's been complained about forever, at
> >least since the FCC introduced the novice and tech licenses (in the
> >1950's?). BTW, back then the Tech exam was the same as the General exam
> >except that the code requirement was 5 wpm instead of 13. Taking the Tech
> >exam was an easy practice test for taking the General.
> >
> >In reality, today's exams probably requires answering more technical
> >questions than it did 40 years ago. However, having the question pool
> >published does allow people to study and memorize the correct answers
> >without understanding the questions or answers. (I am not saying that
> >everyone does that, but it is possible I guess.) It used to be prohibited to
> >publish the actual questions and answers and the license guide just listed
> >the types of subjects that the person would face. So today we have some
> >people who got the answers right but didn't understand what they were
> >answering.
> >
> >OTOH, the whole formal Elmer concept came along 10-15 years after I got my
> >license. I didn't have any mentors to help. I spent many, many hours reading
> >the Handbook and Antenna manual and old magazines on my own.
> >
> >I passed my Extra back in 1967 in front of an FCC examiner, including
> >copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work
> >allowed). Could I pass the current exam? Probably not without studying. But
> >what I do know now is real knowledge, not canned answers to canned
> >questions. And maybe that's the real issue all the time: the older ops truly
> >know what they know just like new people today will really know what they
> >know 30 or 40 years from now.

> >
> >73, Ken WA8JXM
> >
> >On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
> >
> >> I understand Dale and sometimes we new hams are to quick to stick the
> >sword in. I am one ham who tried to understand everything I could on all
> >three levels of testing that I took. Most of it I did understand and am
> >ashamed to admitt, but forgot some of it because of lack of use and todays
> >busy schedules. One thing I will disagree with is when a new ham says there
> >are no good elmers out there for them. I must have about 4 great elmers that
> >have really helped me out. I ask them questions all the time and if they
> >look at me like im stupid I tell them remember where I came from, born in
> >the late 60s HI HI. They are always very eager to help and teach me.
> >>
> >> I remember at a club meeting some of my elmers were talking about RTTY
> >and talking about the machines and hardware they used for it. I had no clue
> >how the machines worked and never seen one, other than pictures. So when I
> >stuck my nose in of course there was a little teasing going on but all in
> >good fun. Anyways when I said I would like to see such a set up none of them
> >had one. Couple days later the one elmer gave me a call and told me to come
> >over when I had a chance. Went over and there it was. RTTY station all set
> >up. Boy was that fun. That is a good Elmer. It is because of my Elmers that
> >I am so very fond of the CW mode and have progessed at it so well. So
> >sometimes we new hams have to read between the lines and so often we don't.
> >Tony
> >
> >[Non-text portions of this message have been removed]
> >
> >[Non-text portions of this message have been removed]
> >
> >------------------------------------
> >
> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> >to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> >Any statements in ANY post that may be construed as inflamatory MAY be cause
> >for suspension. Moderators WILL have final say in these matters.
> >Post message: mailto:ham-antennas%40yahoogroups.com
> >Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> >Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> >List owner: mailto:ham-antennas-owner%40yahoogroups.com
> >Yahoo! Groups Links
> >
> >No virus found in this message.
> >Checked by AVG - www.avg.com
> >Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
> >
> >No virus found in this message.
> >Checked by AVG - www.avg.com
> >Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11

> >
> >[Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20850. Moderator Regarding: The "dumming down" Topic

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 22:52:44 UTC
From: van wd8aam
Topic: 20850 Message: 20850

Ok folks, some are getting tired of this
thread, as this is a Ham-Antennas Group, and the
posts should be about antenna subjects.

While this new record number of Hams is 'cause for celebration',
some posters have started denigrating others talents concerning
Ham radio code and electronics knowledge in general.
This is happening not only on this group, but several others as well.

This is not very nice, is tacky, and does NOTHING to make
others proud of being an Amateur/Ham radio operator.

The best of the comments have already been made,
(SEE the EXCELLENT comment below by KE7SBE in Arizona), and
there are others complaining of tiresome posts, so it's time
for the moderator to jump in and terminate this thread.

Please RETURN to Antenna Subjects and restore the reflector
to appropriate postings.

Thank You
Van Lincoln
moderator

At 16:31 11/26/2011, you wrote on HAM-Antennas@yahoogroups.com:

>Ok, last comment before this gets pulled, I agree, I was one of those,
>I learned after I got my ticket, however I made up my mind to learn.
>I was told by an old seasoned ham and one of my VE'S that the
>License is just the beginning, now comes the learning.

> Nuff said
> 73
ke7sbe

[Non-text portions of this message have been removed]

20851. Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-26 23:54:53 UTC
From: john
Topic: 20798 Message: 20851

I also couldn`t grasp the code back in the 80`s when my son who at the time was the youngest person to get his tech license in his club he took to it like a duck to water as they say ,I tried got frustrated and gave up, he looked at me a few years ago and said you know you dont have to know morse for your ticket anymore right? I immediately got my hands on a manual, went for the tech ticket , worked at the general class book , 3 months later I got my general on the 2nd try , it`s such a wonderfull hobby it`s so dignified ,you meet so many great hams , will I be a Tech someday probably not but I`m so happy with the privlidges I have now Go for It Allen ,you can allways learn CW later on down the road , besides you dont get to hear those warm friendly voices in the dits and dahs now do you 73`s N1JTZ

--- In ham-antennas@yahoogroups.com, "From the desk of Allan Bell" <grey_wolf2011@...> wrote:
>
> Iâ□□ve been reading this thread since it began a few days ago and havenâ□□t said a word until now.
>
> I am 53 yrs of age and for as long as I can remember I wanted to get a license, even just a Tech license just to say I accomplished something in life.
>
> What prevented me from doing it, the code prevented me.
> Now you are all probably sitting there in your recliners or easy chairs saying how can this guy lay blame on the code and say thatâ□□s what prevented him from getting a license. Itâ□□s very easy, itâ□□s called a Learning Disability. People with certain learning disabilities do not understand some things no matter how hard you try tech them or no matter how hard they work to try and understand.
>
> Well I was one of those kinds of people. I have been studying hard for the past year to get my Tech License and still have a ways to go.
>
> Iâ□□m sorry to say this, but those old timers out here talking about the code this the code that and how the code should rule the air waves make people like me have second thoughts about wanting to be a ham. You make us feel like the lowest class
>
> Just my 2 cents
>
> From: KI4TJY
> Sent: Saturday, November 26, 2011 11:02 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: "dumming down"
>
>
> Ditto! I for one get very tired of all the gabbing about this inconsequential subject. I got my licenses - Tech, General, & EXTRA - after 45 years of wanting to be a HAM now that I am retired I'm going to enjoy the hobby regardless of the opinion of some old timers who want to downgrade anyone with an Extra ticket and the lack of CW. By the way it is on my to learn list, but the more I hear of this bantering the less likely I am to want to join the exclusive club that is being professed. So please can we quit beating this poor dead horse. Sorry but I reached my limit.

> 73
> Bruce/KI4TJY
>
> Sent from my iPad
>
> On Nov 26, 2011, at 1:23 PM, "Dale H. Cole K8TS" <mailto:k9ttt%40comcast.net> wrote:
>
> > well said.
> >
> > ----- Original Message -----
> > From: "Memwl" <mailto:modkulla%40yahoo.com>
> > To: mailto:ham-antennas%40yahoogroups.com
> > Sent: Saturday, November 26, 2011 10:04:42 AM
> > Subject: Re: [ham-antennas] Re: "dumming down"
> >
> >
> >
> > Comment from a no-code General as follows
> > IMHO
> > I always wanted to be a Ham, it is not my fault that the code was not required when I testes, however
> > I will make this statement "A new ham should be encouraged to learn CW". Comment some older seasoned hams make
> > are very discouraging to a new person that really wants to learn, not to made to feel inferior because he or she does not know code
> > Maybe these statements are not meant to be degrading.
> > But I am quite sure that this group and many others would like to see new call signs
> > that can meet you on the Key or the Phone so lets encourage all new Hams to get that Key
> >
> > 73
> > ke7sbe
> >
> > >_____
> > > From: Chuck Schultz < mailto:wq5b%40valornet.com >
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Sent: Saturday, November 26, 2011 6:41 AM
> > >Subject: Re: [ham-antennas] Re: "dumming down"
> > >
> > >
> > >
> > >The " Dungeon of Doom " you say? I had a similar experience in downtown Dallas . I had to copy code wearing ear phones salvaged from the Mayflower. Not to mention the cold stares of the examiner. If you failed the exam it would take six weeks before you could re-test. All in all it was worth it for the feeling I had as I left after passing . Chuck Wq5B
> > >----- Original Message -----
> > >From: KA9EGW
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Sent: Friday, November 25, 2011 10:21 AM
> > >Subject: RE: [ham-antennas] Re: "dumming down"
> > >
> > >When got my licenses, all the way from Novice in '79 to Extra in '81 plus

> > >my Commercial Radiotelephone in '82, I sat every single exam after Novice at
> > >the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building,
> > >Chicago. By that time ham licenses had already migrated to multiple-guess,
> > >but the Commercial exam was still draw schematics and turn in your scratch
> > >sheet...
> > >
> > >I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of
> > >"Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a
> > >trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code
> > >practice tapes, and a good friend who got his licenses and his various
> > >upgrades the same time I did.
> > >
> > >IMHO the biggest blow to Amateur Radio was the institution of the VE
> > >program...I used to be a VE, specifically the guy who gave CW exams...that
> > >lasted til the boss VE insisted I pass people who couldn't copy at all for
> > >reasons I disagreed with...
> > >
> > >73, Brian KA9EGW
> > >"proud to be a know-code ham"
> > >
> > >-----Original Message-----
> > >From: mailto:ham-antennas%40yahoogroups.com [mailto: mailto:ham-antennas%40yahoogroups.com] On
> > >Behalf Of Dan Schaaf
> > >Sent: Friday, November 25, 2011 9:20 AM
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Subject: Re: [ham-antennas] Re: "dumming down"
> > >
> > >Those old days:
> > >We had to draw schematics of oscillators and amplifiers and do some pretty
> > >heavy math. Not much multiple choice to be memorized, at least in 1963
> > >
> > >Best Regards
> > >Dan Schaaf
> > >K3ZXL www.k3zxl.com
> > >
> > >----- Original Message -----
> > >From: WA8JXM
> > >To: mailto:ham-antennas%40yahoogroups.com
> > >Sent: Friday, November 25, 2011 10:11 AM
> > >Subject: Re: [ham-antennas] Re: "dumming down"
> > >
> > >The old Teletype machines were absolutely amazing: all the complex
> > >mechanical work they did....just to print a single character! A true Rube
> > >Goldberg contraption that worked amazingly well.
> > >
> > >As for "dumbing down", well heck, that's been complained about forever, at
> > >least since the FCC introduced the novice and tech licenses (in the
> > >1950's?). BTW, back then the Tech exam was the same as the General exam
> > >except that the code requirement was 5 wpm instead of 13. Taking the Tech

> > >exam was an easy practice test for taking the General.
> > >
> > >In reality, today's exams probably requires answering more technical
> > >questions than it did 40 years ago. However, having the question pool
> > >published does allow people to study and memorize the correct answers
> > >without understanding the questions or answers. (I am not saying that
> > >everyone does that, but it is possible I guess.) It used to be prohibited to
> > >publish the actual questions and answers and the license guide just listed
> > >the types of subjects that the person would face. So today we have some
> > >people who got the answers right but didn't understand what they were
> > >answering.
> > >
> > >OTOH, the whole formal Elmer concept came along 10-15 years after I got my
> > >license. I didn't have any mentors to help. I spent many, many hours reading
> > >the Handbook and Antenna manual and old magazines on my own.
> > >
> > >I passed my Extra back in 1967 in front of an FCC examiner, including
> > >copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work
> > >allowed). Could I pass the current exam? Probably not without studying. But
> > >what I do know now is real knowledge, not canned answers to canned
> > >questions. And maybe that's the real issue all the time: the older ops truly
> > >know what they know just like new people today will really know what they
> > >know 30 or 40 years from now.
> > >
> > >73, Ken WA8JXM
> > >
> > >On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
> > >
> > >> I understand Dale and sometimes we new hams are to quick to stick the
> > >sword in. I am one ham who tried to understand everything I could on all
> > >three levels of testing that I took. Most of it I did understand and am
> > >ashamed to admitt, but forgot some of it because of lack of use and todays
> > >busy schedules. One thing I will disagree with is when a new ham says there
> > >are no good elmers out there for them. I must have about 4 great elmers that
> > >have really helped me out. I ask them questions all the time and if they
> > >look at me like im stupid I tell them remember where I came from, born in
> > >the late 60s HI HI. They are always very eager to help and teach me.
> > >>
> > >> I remember at a club meeting some of my elmers were talking about RTTY
> > >and talking about the machines and hardware they used for it. I had no clue
> > >how the machines worked and never seen one, other than pictures. So when I
> > >stuck my nose in of course there was a little teasing going on but all in
> > >good fun. Anyways when I said I would like to see such a set up none of them
> > >had one. Couple days later the one elmer gave me a call and told me to come
> > >over when I had a chance. Went over and there it was. RTTY station all set
> > >up. Boy was that fun. That is a good Elmer. It is because of my Elmers that
> > >I am so very fond of the CW mode and have progessed at it so well. So
> > >sometimes we new hams have to read between the lines and so often we don't.
> > >Tony

> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >---
> > >
> > >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > >to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > >Any statements in ANY post that may be construed as inflamatory MAY be cause
> > >for suspension. Moderators WILL have final say in these matters.
> > >Post message: mailto:ham-antennas%40yahoogroups.com
> > >Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
> > >Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
> > >List owner: mailto:ham-antennas-owner%40yahoogroups.com
> > >Yahoo! Groups Links
> > >
> > >No virus found in this message.
> > >Checked by AVG - www.avg.com
> > >Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
> > >
> > >No virus found in this message.
> > >Checked by AVG - www.avg.com
> > >Version: 2012.0.1873 / Virus Database: 2101/4638 - Release Date: 11/25/11
> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

20852. 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 00:41:13 UTC
From: KA9EGW
Topic: 20852 Message: 20852

I have cut a deal for a used 2m ssb radio; now I need to make an antenna to go with it. I don't have VHF measurement capability.

Please tell me, of all the different yagi designs out there, which is your favorite for "least-tuning-required-if-built-to-print"?

73, Brian KA9EGW

20853. Re: [ham-antennas] long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 03:05:08 UTC
From: John P.
Topic: 20821 Message: 20853

Hi All,

  I have developed an Microsoft Excel worksheet that will calculate headings and distance based on the latitude and longitude of the user's QTH.

  It is available free to all on my website (see below).

73,
John - WA2HIP
http://wa2hip.com

--- On Sat, 11/26/11, Dan Schaaf <dan-schaaf@...> wrote:

From: Dan Schaaf <dan-schaaf@...>
Subject: Re: [ham-antennas] long path
To: ham-antennas@yahoogroups.com
Date: Saturday, November 26, 2011, 1:07 PM

Download free of charge DXAtas from DXAtlas.com
You can calculate any distance to anywhere and see Grey Line real time,
Sunrise and sunset times etc etc.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: "WA8JXM" <wa8jxm@gmail.com>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, November 26, 2011 12:17 PM
Subject: Re: [ham-antennas] long path

On Nov 26, 2011, at 1:20 AM, dean wrote:

> thanks I found a program that shows what I want. I just had to rephrase
> my question in google to find it. It shows the short path but I can
> follow it backwards and have the long path. The long path to Spain from
> here is over 19k miles according to one of the programs I'm using.

The long path is aways 24,600 miles less the short path distance.

Ken

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20854. Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 04:24:38 UTC
From: wa5pse
Topic: 20798 Message: 20854

Brian,

When, in your lifetime, did the ham license exams "migrate down to multiple guess"????

I got my novice back in '66, my general in '67 (it was upgrade in a year or get out back then), my advanced in '69...
And, then after getting drafted, doing my military stint and raising 3 kids, some 7-8 years ago, got my extra.

Every single one of my tests were multiple guess.

I was just wondering what ham tests you took that were not the usual "multiple guess" type.

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> When got my licenses, all the way from Novice in '79 to Extra in '81 plus
> my Commercial Radiotelephone in '82, I sat every single exam after Novice at
> the FCC "Dungeon Of Doom" on Dearborn St. in the Dirksen Federal Building,
> Chicago. By that time ham licenses had already migrated to multiple-guess,
> but the Commercial exam was still draw schematics and turn in your scratch
> sheet...
>
> I didn't have an Elmer. I had a 1964 Handbook and early-60's copies of
> "Learning The Radiotelegraph Code" and "How To Become A Radio Amateur", a
> trash-picked complete set of QSTs from 1945-1975 inclusive, homemade code
> practice tapes, and a good friend who got his licenses and his various
> upgrades the same time I did.
>
> IMHO the biggest blow to Amateur Radio was the institution of the VE
> program...I used to be a VE, specifically the guy who gave CW exams...that
> lasted til the boss VE insisted I pass people who couldn't copy at all for
> reasons I disagreed with...
>
> 73, Brian KA9EGW
> "proud to be a know-code ham"
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Dan Schaaf
> Sent: Friday, November 25, 2011 9:20 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: "dumming down"
>
> Those old days:

> We had to draw schematics of oscillators and amplifiers and do some pretty
> heavy math. Not much multiple choice to be memorized, at least in 1963
>
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
>
> ----- Original Message -----
> From: WA8JXM
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 25, 2011 10:11 AM
> Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
> The old Teletype machines were absolutely amazing: all the complex
> mechanical work they did....just to print a single character! A true Rube
> Goldberg contraption that worked amazingly well.
>
> As for "dumbing down", well heck, that's been complained about forever, at
> least since the FCC introduced the novice and tech licenses (in the
> 1950's?). BTW, back then the Tech exam was the same as the General exam
> except that the code requirement was 5 wpm instead of 13. Taking the Tech
> exam was an easy practice test for taking the General.
>
> In reality, today's exams probably requires answering more technical
> questions than it did 40 years ago. However, having the question pool
> published does allow people to study and memorize the correct answers
> without understanding the questions or answers. (I am not saying that
> everyone does that, but it is possible I guess.) It used to be prohibited to
> publish the actual questions and answers and the license guide just listed
> the types of subjects that the person would face. So today we have some
> people who got the answers right but didn't understand what they were
> answering.
>
> OTOH, the whole formal Elmer concept came along 10-15 years after I got my
> license. I didn't have any mentors to help. I spent many, many hours reading
> the Handbook and Antenna manual and old magazines on my own.
>
> I passed my Extra back in 1967 in front of an FCC examiner, including
> copying and sending 20 wpm CW (1 minute of 100% copy required, no guess work
> allowed). Could I pass the current exam? Probably not without studying. But
> what I do know now is real knowledge, not canned answers to canned
> questions. And maybe that's the real issue all the time: the older ops truly
> know what they know just like new people today will really know what they
> know 30 or 40 years from now.
>
> 73, Ken WA8JXM

>
> On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
>
> > I understand Dale and sometimes we new hams are to quick to stick the
> sword in. I am one ham who tried to understand everything I could on all
> three levels of testing that I took. Most of it I did understand and am
> ashamed to admitt, but forgot some of it because of lack of use and todays
> busy schedules. One thing I will disagree with is when a new ham says there
> are no good elmers out there for them. I must have about 4 great elmers that
> have really helped me out. I ask them questions all the time and if they
> look at me like im stupid I tell them remember where I came from, born in
> the late 60s HI HI. They are always very eager to help and teach me.
> >
> > I remember at a club meeting some of my elmers were talking about RTTY
> and talking about the machines and hardware they used for it. I had no clue
> how the machines worked and never seen one, other than pictures. So when I
> stuck my nose in of course there was a little teasing going on but all in
> good fun. Anyways when I said I would like to see such a set up none of them
> had one. Couple days later the one elmer gave me a call and told me to come
> over when I had a chance. Went over and there it was. RTTY station all set
> up. Boy was that fun. That is a good Elmer. It is because of my Elmers that
> I am so very fond of the CW mode and have progessed at it so well. So
> sometimes we new hams have to read between the lines and so often we don't.
> Tony
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

20855. RE: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 06:13:01 UTC
From: KA9EGW
Topic: 20798 Message: 20855

I'm not old enough to have been around when they weren't. Re-read my post.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of wa5pse
Sent: Saturday, November 26, 2011 10:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: "dumming down"

Brian,

When, in your lifetime, did the ham license exams "migrate down to multiple guess"????

I got my novice back in '66, my general in '67 (it was upgrade in a year or get out back then), my advanced in '69...
And, then after getting drafted, doing my military stint and raising 3 kids, some 7-8 years ago, got my extra.

Every single one of my tests were multiple guess.

I was just wondering what ham tests you took that were not the usual "multiple guess" type.

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> When got my licenses, all the way from Novice in '79 to Extra in '81
> plus my Commercial Radiotelephone in '82, I sat every single exam
> after Novice at the FCC "Dungeon Of Doom" on Dearborn St. in the
> Dirksen Federal Building, Chicago. By that time ham licenses had
> already migrated to multiple-guess, but the Commercial exam was still
> draw schematics and turn in your scratch sheet...
>
> I didn't have an Elmer. I had a 1964 Handbook and early-60's copies
> of "Learning The Radiotelegraph Code" and "How To Become A Radio
> Amateur", a trash-picked complete set of QSTs from 1945-1975
> inclusive, homemade code practice tapes, and a good friend who got his
> licenses and his various upgrades the same time I did.
>
> IMHO the biggest blow to Amateur Radio was the institution of the VE
> program...I used to be a VE, specifically the guy who gave CW
> exams...that lasted til the boss VE insisted I pass people who
> couldn't copy at all for reasons I disagreed with...
>
> 73, Brian KA9EGW

> "proud to be a know-code ham"
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dan Schaaf
> Sent: Friday, November 25, 2011 9:20 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: "dumming down"
>
> Those old days:
> We had to draw schematics of oscillators and amplifiers and do some
> pretty heavy math. Not much multiple choice to be memorized, at least
> in 1963
>
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
>
> ----- Original Message -----
> From: WA8JXM
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 25, 2011 10:11 AM
> Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
> The old Teletype machines were absolutely amazing: all the complex
> mechanical work they did....just to print a single character! A true
> Rube Goldberg contraption that worked amazingly well.
>
> As for "dumbing down", well heck, that's been complained about
> forever, at least since the FCC introduced the novice and tech
> licenses (in the 1950's?). BTW, back then the Tech exam was the same
> as the General exam except that the code requirement was 5 wpm instead
> of 13. Taking the Tech exam was an easy practice test for taking the
General.
>
> In reality, today's exams probably requires answering more technical
> questions than it did 40 years ago. However, having the question pool
> published does allow people to study and memorize the correct answers
> without understanding the questions or answers. (I am not saying that
> everyone does that, but it is possible I guess.) It used to be
> prohibited to publish the actual questions and answers and the license
> guide just listed the types of subjects that the person would face. So
> today we have some people who got the answers right but didn't
> understand what they were answering.
>
> OTOH, the whole formal Elmer concept came along 10-15 years after I

> got my license. I didn't have any mentors to help. I spent many, many
> hours reading the Handbook and Antenna manual and old magazines on my own.
>
> I passed my Extra back in 1967 in front of an FCC examiner,
> including copying and sending 20 wpm CW (1 minute of 100% copy
> required, no guess work allowed). Could I pass the current exam?
> Probably not without studying. But what I do know now is real
> knowledge, not canned answers to canned questions. And maybe that's
> the real issue all the time: the older ops truly know what they know
> just like new people today will really know what they know 30 or 40 years
from now.
>
> 73, Ken WA8JXM
>
> On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
>
> > I understand Dale and sometimes we new hams are to quick to stick
> the sword in. I am one ham who tried to understand everything I could
> on all three levels of testing that I took. Most of it I did
> understand and am ashamed to admitt, but forgot some of it because of
> lack of use and todays busy schedules. One thing I will disagree with
> is when a new ham says there are no good elmers out there for them. I
> must have about 4 great elmers that have really helped me out. I ask
> them questions all the time and if they look at me like im stupid I
> tell them remember where I came from, born in the late 60s HI HI. They are
always very eager to help and teach me.
> >
> > I remember at a club meeting some of my elmers were talking about
> RTTY and talking about the machines and hardware they used for it. I
> had no clue how the machines worked and never seen one, other than
> pictures. So when I stuck my nose in of course there was a little
> teasing going on but all in good fun. Anyways when I said I would like
> to see such a set up none of them had one. Couple days later the one
> elmer gave me a call and told me to come over when I had a chance.
> Went over and there it was. RTTY station all set up. Boy was that fun.
> That is a good Elmer. It is because of my Elmers that I am so very
> fond of the CW mode and have progessed at it so well. So sometimes we new
hams have to read between the lines and so often we don't.
> Tony
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>

> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT
permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20856. unacceptable topics

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 06:43:03 UTC
From: KA9EGW
Topic: 20856 Message: 20856

Microsoft Outlook allows me to auto-delete any message with certain words in the subject.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of wa5pse
Sent: Saturday, November 26, 2011 10:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: "dumming down"

Brian,

When, in your lifetime, did the ham license exams "migrate down to multiple guess"????

I got my novice back in '66, my general in '67 (it was upgrade in a year or get out back then), my advanced in '69...
And, then after getting drafted, doing my military stint and raising 3 kids, some 7-8 years ago, got my extra.

Every single one of my tests were multiple guess.

I was just wondering what ham tests you took that were not the usual "multiple guess" type.

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> When got my licenses, all the way from Novice in '79 to Extra in '81
> plus my Commercial Radiotelephone in '82, I sat every single exam
> after Novice at the FCC "Dungeon Of Doom" on Dearborn St. in the
> Dirksen Federal Building, Chicago. By that time ham licenses had
> already migrated to multiple-guess, but the Commercial exam was still
> draw schematics and turn in your scratch sheet...
>
> I didn't have an Elmer. I had a 1964 Handbook and early-60's copies
> of "Learning The Radiotelegraph Code" and "How To Become A Radio
> Amateur", a trash-picked complete set of QSTs from 1945-1975
> inclusive, homemade code practice tapes, and a good friend who got his
> licenses and his various upgrades the same time I did.
>
> IMHO the biggest blow to Amateur Radio was the institution of the VE
> program...I used to be a VE, specifically the guy who gave CW
> exams...that lasted til the boss VE insisted I pass people who
> couldn't copy at all for reasons I disagreed with...
>

> 73, Brian KA9EGW
> "proud to be a know-code ham"
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dan Schaaf
> Sent: Friday, November 25, 2011 9:20 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: "dumming down"
>
> Those old days:
> We had to draw schematics of oscillators and amplifiers and do some
> pretty heavy math. Not much multiple choice to be memorized, at least
> in 1963
>
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
>
> ----- Original Message -----
> From: WA8JXM
> To: ham-antennas@yahoogroups.com
> Sent: Friday, November 25, 2011 10:11 AM
> Subject: Re: [ham-antennas] Re: "dumming down"
>
>
>
> The old Teletype machines were absolutely amazing: all the complex
> mechanical work they did....just to print a single character! A true
> Rube Goldberg contraption that worked amazingly well.
>
> As for "dumbing down", well heck, that's been complained about
> forever, at least since the FCC introduced the novice and tech
> licenses (in the 1950's?). BTW, back then the Tech exam was the same
> as the General exam except that the code requirement was 5 wpm instead
> of 13. Taking the Tech exam was an easy practice test for taking the
General.
>
> In reality, today's exams probably requires answering more technical
> questions than it did 40 years ago. However, having the question pool
> published does allow people to study and memorize the correct answers
> without understanding the questions or answers. (I am not saying that
> everyone does that, but it is possible I guess.) It used to be
> prohibited to publish the actual questions and answers and the license
> guide just listed the types of subjects that the person would face. So
> today we have some people who got the answers right but didn't
> understand what they were answering.
>

> OTOH, the whole formal Elmer concept came along 10-15 years after I
> got my license. I didn't have any mentors to help. I spent many, many
> hours reading the Handbook and Antenna manual and old magazines on my own.
>
> I passed my Extra back in 1967 in front of an FCC examiner,
> including copying and sending 20 wpm CW (1 minute of 100% copy
> required, no guess work allowed). Could I pass the current exam?
> Probably not without studying. But what I do know now is real
> knowledge, not canned answers to canned questions. And maybe that's
> the real issue all the time: the older ops truly know what they know
> just like new people today will really know what they know 30 or 40 years
from now.
>
> 73, Ken WA8JXM
>
> On Nov 25, 2011, at 9:34 AM, kd8bbk wrote:
>
> > I understand Dale and sometimes we new hams are to quick to stick
> the sword in. I am one ham who tried to understand everything I could
> on all three levels of testing that I took. Most of it I did
> understand and am ashamed to admitt, but forgot some of it because of
> lack of use and todays busy schedules. One thing I will disagree with
> is when a new ham says there are no good elmers out there for them. I
> must have about 4 great elmers that have really helped me out. I ask
> them questions all the time and if they look at me like im stupid I
> tell them remember where I came from, born in the late 60s HI HI. They are
always very eager to help and teach me.
> >
> > I remember at a club meeting some of my elmers were talking about
> RTTY and talking about the machines and hardware they used for it. I
> had no clue how the machines worked and never seen one, other than
> pictures. So when I stuck my nose in of course there was a little
> teasing going on but all in good fun. Anyways when I said I would like
> to see such a set up none of them had one. Couple days later the one
> elmer gave me a call and told me to come over when I had a chance.
> Went over and there it was. RTTY station all set up. Boy was that fun.
> That is a good Elmer. It is because of my Elmers that I am so very
> fond of the CW mode and have progessed at it so well. So sometimes we new
hams have to read between the lines and so often we don't.
> Tony
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>

>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT
permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20857. Dual Beam Pro Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 12:17:25 UTC
From: s.melton306@btinternet.com
Topic: 20857 Message: 20857

Hi to All, I am new to the group and this is my 1st posting. I am currently gathering together the bits required to home brew a Dual Beam Pro Antenna, link pasted below. Please can anyone advise me on the contents of the Transformer/Balun unit will be or a rough guess by someone with a lot more experience than me. Currently getting stuck into SDR in a big way and really enjoying it. My setup can be seen on QRZ.com
http://www.proantennas.co.uk/dualbeampro.htm

Thank you in advance for any thoughts or knowledge gained.

Simon M6AQL

20858. Re: [ham-antennas] long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 12:51:04 UTC
From: WA8JXM
Topic: 20821 Message: 20858

Just in case anyone is not aware of it, QRZ.COM provides both short and long path distances for each station along with the heading. The long path heading is, of course, the opposite direction by 180 degrees. If a station's short path heading is 60 degrees, the long path is 60+180=240 degrees.

73, Ken WA8JXM

20859. Re: [ham-antennas] long path

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 13:38:33 UTC
From: Dan Schaaf
Topic: 20821 Message: 20859

Yes, and the nice part about QRZ.com is that it is quite accurate. It uses the grid squares to compute distance.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: WA8JXM
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 27, 2011 7:51 AM
Subject: Re: [ham-antennas] long path

Just in case anyone is not aware of it, QRZ.COM provides both short and long path distances for each station along with the heading. The long path heading is, of course, the opposite direction by 180 degrees. If a station's short path heading is 60 degrees, the long path is 60+180=240 degrees.

73, Ken WA8JXM

[Non-text portions of this message have been removed]

20860. Re: [ham-antennas] Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 13:47:32 UTC
From: Ron Youvan
Topic: 20798 Message: 20860

Bruce KI4TJY wrote:

> Ditto! I for one get very tired of all the gabbing about this inconsequential subject. I got my
> licenses - Tech, General, & EXTRA - after 45 years of wanting to be a HAM now that I am retired I'm
> going to enjoy the hobby regardless of the opinion of some old timers who want to downgrade anyone
> with an Extra ticket and the lack of CW. By the way it is on my to learn list, but the more I hear
> of this bantering the less likely I am to want to join the exclusive club that is being professed.
> So please can we quit beating this poor dead horse. Sorry but I reached my limit.

HAM Radio's roots are buried deep in Morse code, other than: "it is more fun (but work) than
talking and has some power and distance advantages" it is of no consequence.
If we learned the "Q" and pro signals while we learned the code it can be a pretty big thrill to
talk with OMs all over the world using your new language.
Join a local HAM club that has "code classes" and learn everything that goes along with the code.

If some one doesn't want to learn cw I see no reason to make them learn it.
Unnumbered HAMS from day one never used it and promptly forgot it.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20861. Re: [ham-antennas] Dual Beam Pro Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 14:30:21 UTC
From: Artekmedia
Topic: 20857 Message: 20861

Simon

I have never actually seen one of these in the flesh so some of the comments that follow are purely conjectural after looking at the manufacturers literature on line

1) The name "beam" in the name is a bit misleading. The antenna is basically a shortened 40M dipole with capacitive hats for end loading.

2) The manufacturers specs are a bit vague on dimensions but playing around with the general geometry I came up with a computer model that is close dimensionally (I think) and when modeled at a height of 10 meters above average ground I get a feed point impedance of 50 ohms at 7MHz . This implies that the feed point balun is likely a standard 1:1 type balun.

3) The manufacturer claims that the antenna is only resonant at 7 MHz and that a tuner is required for the bands. The computer model confirms this and the mismatch is quite high on the other bands so I would keep my coax runs relatively short (20M or less) to minimize the coax losses due to SWR on the other bands. Either that or you will need a rather expensive remote ATU close to the antenna

4) The antenna patterns on 40M are as you would expect for any dipole the standard figure 8. Some of the other bands are quite interesting however and on 15M for example the end loadiung elements turn the antenna into quite a cloud warmer with over half of the energy going straight up :-)

If it were me I would look for something other design to emulate. Tell us more about what your goals and limitations for an antenna are and maybe the group can give you some other ideas on another approach

73
Dave
NR1DX

On 11/27/2011 6:17 AM, s.melton306@... wrote:
>
> Hi to All, I am new to the group and this is my 1st posting. I am
> currently gathering together the bits required to home brew a Dual
> Beam Pro Antenna, link pasted below. Please can anyone advise me on
> the contents of the Transformer/Balun unit will be or a rough guess by
> someone with a lot more experience than me. Currently getting stuck
> into SDR in a big way and really enjoying it. My setup can be seen on
> QRZ.com
> http://www.proantennas.co.uk/dualbeampro.htm
>

> Thank you in advance for any thoughts or knowledge gained.
>
> Simon M6AQL
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20862. Re: [ham-antennas] DOUBLET ANTENNAS

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 14:57:09 UTC
From: Ron Youvan
Topic: 18181 Message: 20862

Jeffrey L VK4FNRS wrote:

> I am currently using a DOUBLET Antenna 130Ft in length about 26Ft above ground level, the antenna is
> fed with open wire feeder 32Ft long to a MFJ 941D turner.

> I have limited space in my Yard which measures 30x45 Ft, the Antenna is set up in a Z configuration
> to fit into the limited space , with the ends sloping down to 12Ft off the ground.

> What is the groups thoughts on the performance of this type of antenna??

If the center area of the dipole is as high as you can get it, I think you are about as good as
it can get on your lot.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20863. Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 16:30:12 UTC
From: james27613
Topic: 20852 Message: 20863

hi Brian,

While not a Yagi, take a look at the Moxon for 2M,
similar performance as a two element yagi but takes up
less space and is fed with 50 Ohm coax directly.
Works great as built from the plan.

http://www.scribd.com/doc/8511822/The-Moxon-Rectangle-on-2-Meters

Works great for vertical FM or horizontal SSB use.

I've got them for 2m, 6m and 20m.

See www.cebik.com for wealth of antanna information,
you need to register, no cost, keeps out mass downloaders.

73 james ke4drn

20864. Re: Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 16:58:17 UTC
From: jm38401
Topic: 20781 Message: 20864

Thanks Sigi- I found it! Decided to give mmana another try. I had a very old version so upgraded to the latest. Still like 4NEC2 better for impedance and swr sweeps and the multi-color 3D field representations but mmana is faster and also has a lot of nice features.

73,

John
K4KQZ

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:
>
> Sure mmana has a graphical editor

20865. Re: [ham-antennas] Moderator Regarding: The "dumming down" Topic

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 17:55:13 UTC
From: Dale H. Cole K8TS
Topic: 20850 Message: 20865

Hi Folks--I started this thread, but never expected it to go as it is. All I wanted to do was bring to light, that some take to lightly the innocence and means of the new generation of amateur ops, and give them credit for what they have accomplished. Never did I expect it to go as it has. We all have great memories, and so will those who are just getting started.

That said, there is a wonderful certificate available from ARRL in there awards section that honors Elmer's. Have one sent to your favorite Elmer (s). They will take pride that they have changed the life of one individual. Chances are they will cherish it as they do their their first license. I don't remember it costing anything. Send one. Neat Xmas present for those who helped YOU make this such a great hobby.

So, as Van said, let's get back to loops, and rombics for the new cycle.

Good DX, and '73

Dale H. Cole K8TS

----- Original Message -----

From: "van wd8aam" <vlincoln@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 26, 2011 5:52:44 PM
Subject: [ham-antennas] Moderator Regarding: The "dumming down" Topic

Ok folks, some are getting tired of this
thread, as this is a Ham-Antennas Group, and the
posts should be about antenna subjects.

While this new record number of Hams is 'cause for celebration',
some posters have started denigrating others talents concerning
Ham radio code and electronics knowledge in general.
This is happening not only on this group, but several others as well.

This is not very nice, is tacky, and does NOTHING to make
others proud of being an Amateur/Ham radio operator.

The best of the comments have already been made,
(SEE the EXCELLENT comment below by KE7SBE in Arizona), and
there are others complaining of tiresome posts, so it's time
for the moderator to jump in and terminate this thread.

Please RETURN to Antenna Subjects and restore the reflector
to appropriate postings.

Thank You
Van Lincoln
moderator

At 16:31 11/26/2011, you wrote on HAM-Antennas@yahoogroups.com :

>Ok, last comment before this gets pulled, I agree, I was one of those,
>I learned after I got my ticket, however I made up my mind to learn.
>I was told by an old seasoned ham and one of my VE'S that the
>License is just the beginning, now comes the learning.

> Nuff said
> 73
ke7sbe

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20866. AW: [ham-antennas] Re: Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 18:34:25 UTC
From: Siegfried Jackstien
Topic: 20781 Message: 20866

Impedance and swr sweeps ... also in mmana
3d view ... also included (but only black and white coloured *g*)
And if you have any questions feel free to ask
If needed I could show you some things in mmana via teamview remotely
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jm38401
> Gesendet: Sonntag, 27. November 2011 16:58
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Antenna modeling software ????
>
>
>
> Thanks Sigi- I found it! Decided to give mmana another try. I had a very
> old version so upgraded to the latest. Still like 4NEC2 better for
> impedance and swr sweeps and the multi-color 3D field representations but
> mmana is faster and also has a lot of nice features.
>
> 73,
>
> John
> K4KQZ
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Siegfried Jackstien"
> <siegfried.jackstien@...> wrote:
> >
> > Sure mmana has a graphical editor
>
>
>
>

20867. Re: Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 19:12:41 UTC
From: jm38401
Topic: 20781 Message: 20867

Thanks again, Sigi. I should have been more clear- I like the way 4nec2 does the sweeps and 3D better than the way mmana does them. I know mmana does those things too. Unless I'm missing something (entirely possible!) mmana will not allow me to set specific start and stop frequencies for sweeps (as well as step size) and will not allow cursor readout at any point across the graph as 4nec2 does. The only thing I see in mmana for sweeps is BW choice at fixed settings. The difference in computation speed between the two programs is amazing. mmana is definitely much faster!

73,

John
K4KQZ

--- In ham-antennas@yahoogroups.com, "Siegfried Jackstien" <siegfried.jackstien@...> wrote:
>
> Impedance and swr sweeps ... also in mmana
> 3d view ... also included (but only black and white coloured *g*)
> And if you have any questions feel free to ask
> If needed I could show you some things in mmana via teamview remotely
> Dg9bfc
> Sigi

20868. AW: [ham-antennas] Re: Antenna modeling software ????

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 20:35:30 UTC
From: Siegfried Jackstien
Topic: 20781 Message: 20868

If you need a bw setting that is not in the list you can type them in by
hand ...

yes ... 4 additional steps in the graphics can be too low if you make a wide
sweep ... but more points would need too much time if you have a complicated
antenna with lots of elements ...
what I do is for faster calculating of those sweeps I lower accuracy a bit
(lowering the number of elements) ... and only if I need a closer look I
make exacter calculations
You have to know the limitations of the engine in the soft... but if you
learned how to use mmana it is a "rocket"

Dg9bfc
Sigi

Ps wanna exchange some models? Or search for a design ? drop me a direct
mail
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jm38401
> Gesendet: Sonntag, 27. November 2011 19:13
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Antenna modeling software ????
>
>
>
> Thanks again, Sigi. I should have been more clear- I like the way 4nec2
> does the sweeps and 3D better than the way mmana does them. I know mmana
> does those things too. Unless I'm missing something (entirely possible!)
> mmana will not allow me to set specific start and stop frequencies for
> sweeps (as well as step size) and will not allow cursor readout at any
> point across the graph as 4nec2 does. The only thing I see in mmana for
> sweeps is BW choice at fixed settings. The difference in computation speed
> between the two programs is amazing. mmana is definitely much faster!
>
> 73,
>
> John
> K4KQZ
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Siegfried Jackstien"
> <siegfried.jackstien@...> wrote:
> >
> > Impedance and swr sweeps ... also in mmana
> > 3d view ... also included (but only black and white coloured *g*)

> > And if you have any questions feel free to ask
> > If needed I could show you some things in mmana via teamview remotely
> > Dg9bfc
> > Sigi
>
>
>
>

20869. Re: [ham-antennas] Moderator Regarding: The "dumming down" Topic

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 21:35:20 UTC
From: kd8bbk@aol.com
Topic: 20850 Message: 20869

Hey thanks Dale. I will go to the ARRL site and get 3 of those certificates ASAP. I have three great elmers.

Tony

-----Original Message-----
From: Dale H. Cole K8TS <k9ttt@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sun, Nov 27, 2011 12:55 pm
Subject: Re: [ham-antennas] Moderator Regarding: The "dumming down" Topic

Hi Folks--I started this thread, but never expected it to go as it is. All I wanted to do was bring to light, that some take to lightly the innocence and means of the new generation of amateur ops, and give them credit for what they have accomplished. Never did I expect it to go as it has. We all have great memories, and so will those who are just getting started.

That said, there is a wonderful certificate available from ARRL in there awards section that honors Elmer's. Have one sent to your favorite Elmer (s). They will take pride that they have changed the life of one individual. Chances are they will cherish it as they do their their first license. I don't remember it costing anything. Send one. Neat Xmas present for those who helped YOU make this such a great hobby.

So, as Van said, let's get back to loops, and rombics for the new cycle.

Good DX, and '73

Dale H. Cole K8TS

----- Original Message -----

From: "van wd8aam" <vlincoln@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 26, 2011 5:52:44 PM
Subject: [ham-antennas] Moderator Regarding: The "dumming down" Topic

Ok folks, some are getting tired of this
thread, as this is a Ham-Antennas Group, and the
posts should be about antenna subjects.

While this new record number of Hams is 'cause for celebration',
some posters have started denigrating others talents concerning
Ham radio code and electronics knowledge in general.

This is happening not only on this group, but several others as well.

This is not very nice, is tacky, and does NOTHING to make
others proud of being an Amateur/Ham radio operator.

The best of the comments have already been made,
(SEE the EXCELLENT comment below by KE7SBE in Arizona), and
there are others complaining of tiresome posts, so it's time
for the moderator to jump in and terminate this thread.

Please RETURN to Antenna Subjects and restore the reflector
to appropriate postings.

Thank You
Van Lincoln
moderator

At 16:31 11/26/2011, you wrote on HAM-Antennas@yahoogroups.com :

>Ok, last comment before this gets pulled, I agree, I was one of those,
>I learned after I got my ticket, however I made up my mind to learn.
>I was told by an old seasoned ham and one of my VE'S that the
>License is just the beginning, now comes the learning.

> Nuff said
> 73
ke7sbe

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20870. Re: "dumming down"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 23:04:12 UTC
From: James
Topic: 20798 Message: 20870

Hi Gloria,

You are not the only one to have a "mental block" about morse code. I am now 67, and first tried learning the code in high school, and then again, off and on, over the next 40 years. There was a point in which the whole thing turned into "noise" and I couldn't tell a dit from a dot. Even with the advent of the "computer age", none of the software would able me to pass the "noise" barrier.... and I bought my first computer in 1978!

I was told to "just keep at it", "keep on pluggin'", and "you're just not working hard enough", etc, etc, ... Finally, I realized that it wasn't "me", but just that the normal methods of learning the code didn't work. So, I started to look around, read a couple of books, tried different things, and may have found a method which works... for me, at least. Apparently, everyone is not "wired" to learn code the same way.

During the Vietnam War era the US Military taught high speed code reception to code breakers using a "sound alike" method... according to a comment I found on a web page. I've found a little information on the web and am using it to give this a tryout... so far the results are encouraging. My goal is to be able to communicate with CW at 15wpm... not very lofty, but a major life accomplishment for me.

Now... to stay on topic.... my opinions as far as "dumming down" is concerned... everyone has different talents to bring to this very large table called "ham radio". Morse code is just another operating mode and we should have done away with its high speed requirement 20 years ago. If we want to restrict ham radio, lets have the test contain binary and hexadecimal math problems! That's important stuff these days. How about having test takers write a two page paper on "string theory"?

Just kidding! Ham radio is a large house with hundreds of rooms and doors. There's something interesting going on in every one of those rooms. I've found "my" rooms and am having a great time!

73, Jim, K9JFK

--- In ham-antennas@yahoogroups.com, GLORIA WELLS <GloriaW4@...> wrote:
>
> Hi All,
> Â
> I am one othe new hams, I have an electronics background and have been wanting to be a ham since I was about 7. I am now 63, I had a mental block about the code and this kept me from being a ham then life came along. I spent 21 yrs in the Navy. Then work came along. Since I retired I joined a civilian group called CERT and they offered me a chance to get my Tech ticket and I jumped for it. I am now a general working on her extra class.
> Â I have been lucky and met several good Elmers that have gone out of there way to help all of the new Hams here. One thing we need to remember, I consider the older Hams as a super resource of information, it has helped me learn about building my own 2 meter antennas, and repairing my own gear.
> Â Just remember, we can all learn something from each other, whether a new ham or an old

hand at it.
> Â
> Â Gloria
> Â
> KK4DXM
>

20871. Twin-T Vertical Dipole MMANA Model

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-27 23:11:44 UTC
From: Joe Hutchens
Topic: 20871 Message: 20871

I am modeling a Twin-T vertical dipole using MMANA-GAL Basic. Some call it a T-Bar and some call it a Sideway-H. I first modeled it with all wire elements. Then I changed the vertical element to aluminum tubing (same length) and changed the size to 12mm. I left the wire caps at .8mm. I thought the resonant frequency would drop with the change to tubing, but it goes higher. Why? That’s my first question.

This antenna is already installed and operational. I'm feeding it with 300-ohm ladder-line. How can I model the antenna with 100 feet of ladder-line? That is my second question.

The T-bars are not straight. The bottom bar is shaped like a V (about 165 deg angle) and the top is shaped like an inverted V (about 142 degree angle).

No matching is done at the feed point. I use a 1:1 current balun at the antenna tuner.

See: http://webpages.charter.net/aj8mh-radio/notebookind7.html

Joe Hutchens (AJ8MH)
http://webpages.charter.net/aj8mh-radio/

[Non-text portions of this message have been removed]

20872. Toroids and split beads

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 01:22:49 UTC
From: Douglas
Topic: 20872 Message: 20872

All,

Can adding split beads to an antenna feed point reduce receive?

Doug
Kb2uka

20873. Re: [ham-antennas] Toroids and split beads

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 01:30:26 UTC
From: Artekmedia
Topic: 20872 Message: 20873

Not under any normal circumstance I can think of

Dave
NR1DX

On 11/27/2011 7:22 PM, Douglas wrote:
>
> All,
>
> Can adding split beads to an antenna feed point reduce receive?
>
> Doug
> Kb2uka
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20874. Re: [ham-antennas] Toroids and split beads

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 01:32:46 UTC
From: Dan Schaaf
Topic: 20872 Message: 20874

No

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: Douglas
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 27, 2011 8:22 PM
Subject: [ham-antennas] Toroids and split beads

All,

Can adding split beads to an antenna feed point reduce receive?

Doug
Kb2uka

[Non-text portions of this message have been removed]

20875. binary, hex, octal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 02:30:51 UTC
From: KA9EGW
Topic: 20875 Message: 20875

There are 10 kinds of people in the world...those who understand binary and
those who don't.

49/11/01001001/73/LXXIII,
Brian KA9EGW

20876. RE: [ham-antennas] Toroids and split beads

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 02:45:25 UTC
From: MIKE DURKIN
Topic: 20872 Message: 20876

only if the coax shild was part of the antenna and the beads change the match (resonant length) .... that's the only way I can think of ....

To: ham-antennas@yahoogroups.com
From: nr1dx@...
Date: Sun, 27 Nov 2011 19:30:26 -0600
Subject: Re: [ham-antennas] Toroids and split beads

Not under any normal circumstance I can think of

Dave

NR1DX

On 11/27/2011 7:22 PM, Douglas wrote:

>

> All,

>

> Can adding split beads to an antenna feed point reduce receive?

>

> Doug

> Kb2uka

>

>

--

Dave& Lynn Henderson

Manuals@ArtekMedia.com

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20877. Re: [ham-antennas] binary, hex, octal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 05:02:33 UTC
From: dean
Topic: 20875 Message: 20877

ha ha ha. Took me about 10 secs to get it.

73, WY6L

From: KA9EGW
Sent: Sunday, November 27, 2011 6:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] binary, hex, octal

There are 10 kinds of people in the world...those who understand binary and
those who don't.

49/11/01001001/73/LXXIII,
Brian KA9EGW

[Non-text portions of this message have been removed]

20878. AW: [ham-antennas] Twin-T Vertical Dipole MMANA Model

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 14:53:19 UTC
From: Siegfried Jackstien
Topic: 20871 Message: 20878

You can model it two ways ...
Model it without feeding line and use transmission line calculator to show the shack ends impedance ...
Or model it with feeding-line ...just 2 lines from feeding-point away and a short third line at shack end were the source is added ..
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe Hutchens
> Gesendet: Sonntag, 27. November 2011 23:12
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Twin-T Vertical Dipole MMANA Model
>
>
>
>
> I am modeling a Twin-T vertical dipole using MMANA-GAL Basic. Some call
> it a T-Bar and some call it a Sideway-H. I first modeled it with all
> wire elements. Then I changed the vertical element to aluminum tubing
> (same length) and changed the size to 12mm. I left the wire caps at
> .8mm. I thought the resonant frequency would drop with the change to
> tubing, but it goes higher. Why? That□s my first question.
>
> This antenna is already installed and operational. I'm feeding it with
> 300-ohm ladder-line. How can I model the antenna with 100 feet of
> ladder-line? That is my second question.
>
> The T-bars are not straight. The bottom bar is shaped like a V (about
> 165 deg angle) and the top is shaped like an inverted V (about 142
> degree angle).
>
> No matching is done at the feed point. I use a 1:1 current balun at the
> antenna tuner.
>
> See: http://webpages.charter.net/aj8mh-radio/notebookind7.html
>
> Joe Hutchens (AJ8MH)
> http://webpages.charter.net/aj8mh-radio/
>
> [Non-text portions of this message have been removed]
>
>

>
>

20879. RE: AW: [ham-antennas] Twin-T Vertical Dipole MMANA Model

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 17:24:09 UTC
From: Joe Hutchens
Topic: 20871 Message: 20879

I tried suggestion 2.

I opened the dipole at the center .0127m. (The old source.) I
connected a wire from each side of dipole center and ran them 30.48
meters to the shack end. At the end, I placed a short wire between the
two and placed the new source in the middle of that wire.

It didn't work, so I must have done something wrong or MMANA can't model
the feedline. Should I define a load?

Joe Hutchens (AJ8MH)
http://webpages.charter.net/aj8mh-radio/

On Mon, Nov 28, 2011 at 9:53 AM, Siegfried Jackstien wrote:

> You can model it two ways ...
Model it without feeding line and use transmission line calculator to
show
the shack ends impedance ...
Or model it with feeding-line ...just 2 lines from feeding-point away
and a
short third line at shack end were the source is added ..
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> [mailto:ham-antennas@yahoogroups.com]
> <javascript:parent.wgMail.openComposeWindow('[mailto:ham-antennas@yahoogroups.com]')>
> Im Auftrag von Joe Hutchens Gesendet: Sonntag, 27. November 2011
> 23:12 An: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> Betreff: [ham-antennas] Twin-T Vertical Dipole MMANA Model
>
>
>
> I am modeling a Twin-T vertical dipole using MMANA-GAL Basic. Some
> call it a T-Bar and some call it a Sideway-H. I first modeled it with
> all wire elements. Then I changed the vertical element to aluminum
> tubing (same length) and changed the size to 12mm. I left the wire
> caps at .8mm. I thought the resonant frequency would drop with the
> change to tubing, but it goes higher. Why? That□s my first question.
> This antenna is already installed and operational. I'm feeding it with
> 300-ohm ladder-line. How can I model the antenna with 100 feet of
> ladder-line? That is my second question.
> The T-bars are not straight. The bottom bar is shaped like a V (about

> 165 deg angle) and the top is shaped like an inverted V (about 142
> degree angle).
> No matching is done at the feed point. I use a 1:1 current balun at
> the antenna tuner.
> See: http://webpages.charter.net/aj8mh-radio/notebookind7.html
> <http://webpages.charter.net/aj8mh-radio/notebookind7.html>
> Joe Hutchens (AJ8MH) http://webpages.charter.net/aj8mh-radio/
> <http://webpages.charter.net/aj8mh-radio/>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

20880. Re: Moderator Regarding: The "dumming down" Topic

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 17:58:08 UTC
From: Bob Richie
Topic: 20850 Message: 20880

Actually, "dumming" down, should be spelled "dumbing." Some of us can do code (not me) and some of us can spell. I also know the difference between "then" and "than" and know when to use "there", "their", and "they're." So there. hihi dit dit.

Bob
K5YB
Kerrville, TX 78028

[Non-text portions of this message have been removed]

20881. Re: [ham-antennas] binary, hex, octal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 18:52:33 UTC
From: allanstern@aol.com
Topic: 20875 Message: 20881

KA9EGW wrote:
>
> There are 10 kinds of people in the world...those who understand binary
and those who don't.

Shared; thanks, Brian.

Al Stern
AllanStern@...
http://www.facebook.com/AlSternFlorida
http://twitter.com/AllanStern
http://www.flickr.com/photos/AllanStern
Satellite Beach, FL
****

[Non-text portions of this message have been removed]

20882. Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 21:18:16 UTC
From: VE3FMC
Topic: 20852 Message: 20882

Brian you should Google 2 meter yagis and you will come up with lots of different plans for a suitable beam for 2 meter SSB.

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> I have cut a deal for a used 2m ssb radio; now I need to make an antenna to
> go with it. I don't have VHF measurement capability.
>
> Please tell me, of all the different yagi designs out there, which is your
> favorite for "least-tuning-required-if-built-to-print"?
>
> 73, Brian KA9EGW
>

20883. AW: AW: [ham-antennas] Twin-T Vertical Dipole MMANA Model

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 18:17:55 UTC
From: Siegfried Jackstien
Topic: 20871 Message: 20883

Can you send me the model that i can have a look where you made the mistake?
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe Hutchens
> Gesendet: Montag, 28. November 2011 17:24
> An: ham-antennas@yahoogroups.com
> Betreff: RE: AW: [ham-antennas] Twin-T Vertical Dipole MMANA Model
>
>
>
>
> I tried suggestion 2.
>
> I opened the dipole at the center .0127m. (The old source.) I
> connected a wire from each side of dipole center and ran them 30.48
> meters to the shack end. At the end, I placed a short wire between the
> two and placed the new source in the middle of that wire.
>
> It didn't work, so I must have done something wrong or MMANA can't model
> the feedline. Should I define a load?
>
> Joe Hutchens (AJ8MH)
> http://webpages.charter.net/aj8mh-radio/
>
> On Mon, Nov 28, 2011 at 9:53 AM, Siegfried Jackstien wrote:
>
> > You can model it two ways ...
> Model it without feeding line and use transmission line calculator to
> show
> the shack ends impedance ...
> Or model it with feeding-line ...just 2 lines from feeding-point away
> and a
> short third line at shack end were the source is added ..
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > [mailto:ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com>]
> > <javascript:parent.wgMail.openComposeWindow('[mailto:ham-
> antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>]')>
> > Im Auftrag von Joe Hutchens Gesendet: Sonntag, 27. November 2011
> > 23:12 An: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > Betreff: [ham-antennas] Twin-T Vertical Dipole MMANA Model
> >
> >
> >
> > I am modeling a Twin-T vertical dipole using MMANA-GAL Basic. Some
> > call it a T-Bar and some call it a Sideway-H. I first modeled it with
> > all wire elements. Then I changed the vertical element to aluminum
> > tubing (same length) and changed the size to 12mm. I left the wire
> > caps at .8mm. I thought the resonant frequency would drop with the
> > change to tubing, but it goes higher. Why? That□s my first question.
> > This antenna is already installed and operational. I'm feeding it with
> > 300-ohm ladder-line. How can I model the antenna with 100 feet of
> > ladder-line? That is my second question.
> > The T-bars are not straight. The bottom bar is shaped like a V (about
> > 165 deg angle) and the top is shaped like an inverted V (about 142
> > degree angle).
> > No matching is done at the feed point. I use a 1:1 current balun at
> > the antenna tuner.
> > See: http://webpages.charter.net/aj8mh-radio/notebookind7.html
> > <http://webpages.charter.net/aj8mh-radio/notebookind7.html>
> > Joe Hutchens (AJ8MH) http://webpages.charter.net/aj8mh-radio/
> > <http://webpages.charter.net/aj8mh-radio/>
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

20884. RE: [ham-antennas] Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 23:06:53 UTC
From: KA9EGW
Topic: 20852 Message: 20884

Oh, there are many, many different plans. Not owning a vhf swr meter, what I'm asking for is help narrowing my search to those designs that really don't need tuning if built "to print".

I can hold .005" tolerance easily.

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of VE3FMC
Sent: Monday, November 28, 2011 3:18 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 2m yagi for new radio

Brian you should Google 2 meter yagis and you will come up with lots of different plans for a suitable beam for 2 meter SSB.

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> I have cut a deal for a used 2m ssb radio; now I need to make an
> antenna to go with it. I don't have VHF measurement capability.
>
> Please tell me, of all the different yagi designs out there, which is
> your favorite for "least-tuning-required-if-built-to-print"?
>
> 73, Brian KA9EGW
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20885. Re: [ham-antennas] Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 23:23:11 UTC
From: Mark M
Topic: 20852 Message: 20885

This response may draw the ire of some. Why don't you just build a simple dipole? When it comes to antennas, I have found VHF to be much less exacting than HF. A dipole cut to the formula that is in all our books should do the job just fine and for less expense and time. Now it may be the case that you want the challenge of building a yagi - I get that and understand it's an important part of our hobby. If you want the challenge more power to you . If you just want to get on the air, a dipole or even and old tv VHF antenna will do you just fine.

From: KA9EGW <ka9egw@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, November 28, 2011 5:06 PM
Subject: RE: [ham-antennas] Re: 2m yagi for new radio

Oh, there are many, many different plans. Not owning a vhf swr meter, what I'm asking for is help narrowing my search to those designs that really don't need tuning if built "to print".

I can hold .005" tolerance easily.

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of VE3FMC
Sent: Monday, November 28, 2011 3:18 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 2m yagi for new radio

Brian you should Google 2 meter yagis and you will come up with lots of different plans for a suitable beam for 2 meter SSB.

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> I have cut a deal for a used 2m ssb radio; now I need to make an
> antenna to go with it. I don't have VHF measurement capability.
>
> Please tell me, of all the different yagi designs out there, which is
> your favorite for "least-tuning-required-if-built-to-print"?
>
> 73, Brian KA9EGW
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

20886. RE: [ham-antennas] Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 23:47:33 UTC
From: KA9EGW
Topic: 20852 Message: 20886

I have a J-pole for FM, soon to be a J-beam for FM, and a 135' OCF dipole fed with ladder line for HF.

I wish to cover almost 70 miles on 2m CW simplex with combined HAAT of about 80' and a unity-gain omni antenna at 50' at the other end. I live in a little town way out in the country in a very tall 2-story house with a very open-minded YL and I can have any antenna I want within the town's max height of 35 feet.

My best brasspounding buddy, who is disabled, I've known since '77 [we got our tickets together in '79 and all our upgrades together in '80, '80, '81 and '82, and our commercial tickets together in '83] lives in a big old apartment building in a highly congested part of the big city, pure HF-QRN hell, S9+20dB -or more- noise most of the time. Just S9 noise is a *very* quiet day there. With DSP there, CW filters in both of his IFs, and 3 audio filters on his end, we can work HF CW about half the time, armchair copy maybe 20-25%.

However, neither of us ever got around to getting a decent VHF directional wattmeter, and in this economy neither of us is likely to anytime soon...but having access to a complete machine shop I can build whatever it takes to do the job; I just need the right specs to build to and/or a good idea for a no-buck reflectometer good to 150Mc...

Or someone with a decent VHF-capable reflectometer they'll trade for a working BC-221 with book...

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Mark M
Sent: Monday, November 28, 2011 5:23 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 2m yagi for new radio

This response may draw the ire of some. Why don't you just build a simple dipole? When it comes to antennas, I have found VHF to be much less exacting than HF. A dipole cut to the formula that is in all our books should do the job just fine and for less expense and time. Now it may be the case that you want the challenge of building a yagi - I get that and understand it's an important part of our hobby. If you want the challenge more power to you . If you just want to get on the air, a dipole or even and old tv VHF antenna will do you just fine.

From: KA9EGW <ka9egw@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, November 28, 2011 5:06 PM
Subject: RE: [ham-antennas] Re: 2m yagi for new radio

Oh, there are many, many different plans. Not owning a vhf swr meter, what I'm asking for is help narrowing my search to those designs that really don't need tuning if built "to print".

I can hold .005" tolerance easily.

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of VE3FMC
Sent: Monday, November 28, 2011 3:18 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 2m yagi for new radio

Brian you should Google 2 meter yagis and you will come up with lots of different plans for a suitable beam for 2 meter SSB.

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> I have cut a deal for a used 2m ssb radio; now I need to make an
> antenna to go with it. I don't have VHF measurement capability.
>
> Please tell me, of all the different yagi designs out there, which is
> your favorite for "least-tuning-required-if-built-to-print"?
>
> 73, Brian KA9EGW
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20887. Re: [ham-antennas] Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 23:52:14 UTC
From: Benjamin Straw - KC9UNS
Topic: 20852 Message: 20887

To tell you the truth you will need a meter no mater what you build, I would get ahold of your local club and ask if a member has one that you can use or have him/her come over to Elmer you.
I made a yagi that had bad coax and I didn't even know it till I put an analyzer, it's a good way to blow up a rig!
Also if your making a portable yagi see if you have a cb shop near you, and ask if they have an analyzer that covers 144mhz or the band your shooting for.

Sent from my iPhone "Grammar mistakes are all on the iPhone"

On Nov 28, 2011, at 5:06 PM, "KA9EGW" <ka9egw@...> wrote:

> Oh, there are many, many different plans. Not owning a vhf swr meter, what
> I'm asking for is help narrowing my search to those designs that really
> don't need tuning if built "to print".
>
> I can hold .005" tolerance easily.
>
> 73, Brian KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of VE3FMC
> Sent: Monday, November 28, 2011 3:18 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: 2m yagi for new radio
>
> Brian you should Google 2 meter yagis and you will come up with lots of
> different plans for a suitable beam for 2 meter SSB.
>
> --- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
> >
> > I have cut a deal for a used 2m ssb radio; now I need to make an
> > antenna to go with it. I don't have VHF measurement capability.
> >
> > Please tell me, of all the different yagi designs out there, which is
> > your favorite for "least-tuning-required-if-built-to-print"?
> >
> > 73, Brian KA9EGW
> >
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause

> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>

[Non-text portions of this message have been removed]

20888. RE: [ham-antennas] Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-28 23:57:59 UTC
From: KA9EGW
Topic: 20852 Message: 20888

I had been looking at the design in W4RNL's article in the 12/04 QST, where it is direct-feed with no gamma match and supposedly 10.2dBi gain and SWR <1.5 across the entire band.

Perhaps I am addressing the problem in the wrong order...it occurs to me I *do* have access to a PCB mill after all...anyone got a .dxf or Gerber file for a decent reflectometer head?

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Benjamin Straw - KC9UNS
Sent: Monday, November 28, 2011 5:52 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 2m yagi for new radio

To tell you the truth you will need a meter no mater what you build, I would get ahold of your local club and ask if a member has one that you can use or have him/her come over to Elmer you.
I made a yagi that had bad coax and I didn't even know it till I put an analyzer, it's a good way to blow up a rig!
Also if your making a portable yagi see if you have a cb shop near you, and ask if they have an analyzer that covers 144mhz or the band your shooting for.

Sent from my iPhone "Grammar mistakes are all on the iPhone"

On Nov 28, 2011, at 5:06 PM, "KA9EGW" <ka9egw@...> wrote:

> Oh, there are many, many different plans. Not owning a vhf swr meter,
> what I'm asking for is help narrowing my search to those designs that
> really don't need tuning if built "to print".
>
> I can hold .005" tolerance easily.
>
> 73, Brian KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of VE3FMC
> Sent: Monday, November 28, 2011 3:18 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: 2m yagi for new radio
>
> Brian you should Google 2 meter yagis and you will come up with lots
> of different plans for a suitable beam for 2 meter SSB.
>
> --- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:

> >
> > I have cut a deal for a used 2m ssb radio; now I need to make an
> > antenna to go with it. I don't have VHF measurement capability.
> >
> > Please tell me, of all the different yagi designs out there, which
> > is your favorite for "least-tuning-required-if-built-to-print"?
> >
> > 73, Brian KA9EGW
> >
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20889. Re: binary, hex, octal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 01:52:59 UTC
From: Neil
Topic: 20875 Message: 20889

VERY clever - Thanks!

Neil Bell, KJ6FBA

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> There are 10 kinds of people in the world...those who understand binary and
> those who don't.
>
>
> 49/11/01001001/73/LXXIII,
> Brian KA9EGW
>

20890. RE: AW: AW: [ham-antennas] Twin-T Vertical Dipole MMANA Model

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 03:44:23 UTC
From: Joe Hutchens
Topic: 20871 Message: 20890

I sent the file to your e-mail listed in QRZ.

Joe Hutchens (AJ8MH)
http://webpages.charter.net/aj8mh-radio/

On Mon, Nov 28, 2011 at 1:17 PM, Siegfried Jackstien wrote:

> Can you send me the model that i can have a look where you made the
mistake?
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> [mailto:ham-antennas@yahoogroups.com]
> <javascript:parent.wgMail.openComposeWindow('[mailto:ham-antennas@yahoogroups.com]')>
>
> <javascript:parent.wgMail.openComposeWindow('[mailto:ham-antennas@yahoogroups.com]')>
> Im
> Auftrag von Joe Hutchens
> Gesendet: Montag, 28. November 2011 17:24
> An: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> Betreff: RE: AW: [ham-antennas] Twin-T Vertical Dipole MMANA Model
>
>
>
>
> I tried suggestion 2.
>
> I opened the dipole at the center .0127m. (The old source.) I
> connected a wire from each side of dipole center and ran them 30.48
> meters to the shack end. At the end, I placed a short wire between the
> two and placed the new source in the middle of that wire.
>
> It didn't work, so I must have done something wrong or MMANA can't
> model
> the feedline. Should I define a load?
>
> Joe Hutchens (AJ8MH)

> http://webpages.charter.net/aj8mh-radio/
> <http://webpages.charter.net/aj8mh-radio/>
> <http://webpages.charter.net/aj8mh-radio/>
> On Mon, Nov 28, 2011 at 9:53 AM, Siegfried Jackstien wrote:
>
>> You can model it two ways ...
> Model it without feeding line and use transmission line calculator to
> show
> the shack ends impedance ...
> Or model it with feeding-line ...just 2 lines from feeding-point away
> and a
> short third line at shack end were the source is added ..
> Dg9bfc
> Sigi
>
>> -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>>
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> <mailto:ham-antennas%40yahoogroups.com>
>> <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com')>
>
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com')>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
>>   [mailto:ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('[mailto:ham-antennas@yahoogroups.com')>
>>
>> <javascript:parent.wgMail.openComposeWindow('[mailto:ham-antennas@yahoogroups.com')>
>> <mailto:ham-
> antennas%40yahoogroups.com>]
>> <javascript:parent.wgMail.openComposeWindow('[mailto:ham-
> antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com')>
>
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com')>
> <mailto:ham-antennas%40yahoogroups.com>]')>
>>   Im Auftrag von Joe Hutchens Gesendet: Sonntag, 27. November 2011
>> 23:12 An: ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>>
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>> <mailto:ham-
> antennas%40yahoogroups.com>
>> <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com')>
>

> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com')>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
>> Betreff: [ham-antennas] Twin-T Vertical Dipole MMANA Model
>>
>>
>>
>> I am modeling a Twin-T vertical dipole using MMANA-GAL Basic. Some
>> call it a T-Bar and some call it a Sideway-H. I first modeled it with
>> all wire elements. Then I changed the vertical element to aluminum
>> tubing (same length) and changed the size to 12mm. I left the wire
>> caps at .8mm. I thought the resonant frequency would drop with the
>> change to tubing, but it goes higher. Why? That□s my first question.
>> This antenna is already installed and operational. I'm feeding it
>> with
>> 300-ohm ladder-line. How can I model the antenna with 100 feet of
>> ladder-line? That is my second question.
>> The T-bars are not straight. The bottom bar is shaped like a V (about
>> 165 deg angle) and the top is shaped like an inverted V (about 142
>> degree angle).
>> No matching is done at the feed point. I use a 1:1 current balun at
>> the antenna tuner.
>> See: http://webpages.charter.net/aj8mh-radio/notebookind7.html
>> <http://webpages.charter.net/aj8mh-radio/notebookind7.html>
>> <http://webpages.charter.net/aj8mh-radio/notebookind7.html>
>> <http://webpages.charter.net/aj8mh-radio/notebookind7.html
>> <http://webpages.charter.net/aj8mh-radio/notebookind7.html>
>> <http://webpages.charter.net/aj8mh-radio/notebookind7.html> >
>> Joe Hutchens (AJ8MH) http://webpages.charter.net/aj8mh-radio/
>> <http://webpages.charter.net/aj8mh-radio/>
>> <http://webpages.charter.net/aj8mh-radio/>
>> <http://webpages.charter.net/aj8mh-radio/
>> <http://webpages.charter.net/aj8mh-radio/>
>> <http://webpages.charter.net/aj8mh-radio/> >
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

20891. Re: AW: AW: [ham-antennas] Twin-T Vertical Dipole MMANA Model

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 07:41:07 UTC
From: roger.h@comcast.net
Topic: 20871 Message: 20891

Excuse me but I have a question. How do you unsubscribe to this group. I have tried all the urls on the site to no joy. T hank you so much. w4iv

----- Original Message -----
From: "Joe Hutchens" <aj8mh-radio@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, November 28, 2011 9:44:23 PM
Subject: RE: AW: AW: [ham-antennas] Twin-T Vertical Dipole MMANA Model

I sent the file to your e-mail listed in QRZ.

Joe Hutchens (AJ8MH)
http://webpages.charter.net/aj8mh-radio/

On Mon, Nov 28, 2011 at 1:17 PM, Siegfried Jackstien wrote:

> Can you send me the model that i can have a look where you made the
mistake?
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com ')>
>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com ')>
> [mailto: ham-antennas@yahoogroups.com]
> <javascript:parent.wgMail.openComposeWindow('[mailto: ham-antennas@yahoogroups.com]')>
>
> <javascript:parent.wgMail.openComposeWindow('[mailto: ham-antennas@yahoogroups.com]')>
> Im
> Auftrag von Joe Hutchens
> Gesendet: Montag, 28. November 2011 17:24
> An: ham-antennas@...m
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com ')>
>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com ')>
> Betreff: RE: AW: [ham-antennas] Twin-T Vertical Dipole MMANA Model
>
>
>
>
> I tried suggestion 2.
>
> I opened the dipole at the center .0127m. (The old source.) I
> connected a wire from each side of dipole center and ran them 30.48

> meters to the shack end. At the end, I placed a short wire between the
> two and placed the new source in the middle of that wire.
>
> It didn't work, so I must have done something wrong or MMANA can't
> model
> the feedline. Should I define a load?
>
> Joe Hutchens (AJ8MH)
> http://webpages.charter.net/aj8mh-radio/
> < http://webpages.charter.net/aj8mh-radio/ >
> < http://webpages.charter.net/aj8mh-radio/ >
> On Mon, Nov 28, 2011 at 9:53 AM, Siegfried Jackstien wrote:
>
>> You can model it two ways ...
> Model it without feeding line and use transmission line calculator to
> show
> the shack ends impedance ...
> Or model it with feeding-line ...just 2 lines from feeding-point away
> and a
> short third line at shack end were the source is added ..
> Dg9bfc
> Sigi
>
>> -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com ')>
>>
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com ')>
> <mailto:ham-antennas%40yahoogroups.com>
>> <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com ')>
>
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com ')>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
>>   [mailto: ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('[mailto: ham-antennas@yahoogroups.com ')>
>>
>> <javascript:parent.wgMail.openComposeWindow('[mailto: ham-antennas@yahoogroups.com ')>
>> <mailto:ham-
> antennas%40yahoogroups.com>]
>> <javascript:parent.wgMail.openComposeWindow('[mailto:ham-
> antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com ')>
>
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com ')>
> <mailto:ham-antennas%40yahoogroups.com>]')>
>>   Im Auftrag von Joe Hutchens Gesendet: Sonntag, 27. November 2011
>> 23:12 An: ham-antennas@yahoogroups.com
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com ')>

>>
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com ')>
>> <mailto:ham-
> antennas%40yahoogroups.com>
>> <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com ')>
>
> <javascript:parent.wgMail.openComposeWindow('antennas@yahoogroups.com ')>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
>> Betreff: [ham-antennas] Twin-T Vertical Dipole MMANA Model
>>
>>
>>
>> I am modeling a Twin-T vertical dipole using MMANA-GAL Basic. Some
>> call it a T-Bar and some call it a Sideway-H. I first modeled it with
>> all wire elements. Then I changed the vertical element to aluminum
>> tubing (same length) and changed the size to 12mm. I left the wire
>> caps at .8mm. I thought the resonant frequency would drop with the
>> change to tubing, but it goes higher. Why? That□s my first question.
>> This antenna is already installed and operational. I'm feeding it
>> with
>> 300-ohm ladder-line. How can I model the antenna with 100 feet of
>> ladder-line? That is my second question.
>> The T-bars are not straight. The bottom bar is shaped like a V (about
>> 165 deg angle) and the top is shaped like an inverted V (about 142
>> degree angle).
>> No matching is done at the feed point. I use a 1:1 current balun at
>> the antenna tuner.
>> See: http://webpages.charter.net/aj8mh-radio/notebookind7.html
>> < http://webpages.charter.net/aj8mh-radio/notebookind7.html >
>> < http://webpages.charter.net/aj8mh-radio/notebookind7.html >
>> < http://webpages.charter.net/aj8mh-radio/notebookind7.html
>> < http://webpages.charter.net/aj8mh-radio/notebookind7.html >
>> < http://webpages.charter.net/aj8mh-radio/notebookind7.html > >
>> Joe Hutchens (AJ8MH) http://webpages.charter.net/aj8mh-radio/
>> < http://webpages.charter.net/aj8mh-radio/ >
>> < http://webpages.charter.net/aj8mh-radio/ >
>> < http://webpages.charter.net/aj8mh-radio/
>> < http://webpages.charter.net/aj8mh-radio/ >
>> < http://webpages.charter.net/aj8mh-radio/ > >
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
> [Non-text portions of this message have been removed]
>
>

>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20892. Re: [ham-antennas] Twin-T Vertical Dipole MMANA Model

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 08:24:20 UTC
From: David Myers
Topic: 20871 Message: 20892

ham-antennas-unsubscribe@yahoogroups.com

20893. AW: [ham-antennas] Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 09:55:34 UTC
From: Siegfried Jackstien
Topic: 20852 Message: 20893

See if you can get one of those cheap meters for cb use
Search for a small one with only one meter and only 2 inches wide
They work well up to 2m and even on 70 cm can be helpful
I changed the bad coax connectors on mine to n style and now it is working well ... ok not as good as a "bird" .... but it works!
And should work well enough to tune an antenna to resonance/swr

For the beam: just look around in the net ... there are several proven designs that are not tooo narrowbanded with just slightly lower gain
That would be the right design for you
Something like this maybe:
http://www.g0ksc.co.uk/intro-lfa.html
direct 50 ohm feed, easy to duplicate

Dg9bfc
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von KA9EGW
> Gesendet: Montag, 28. November 2011 23:58
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Re: 2m yagi for new radio
>
>
>
> I had been looking at the design in W4RNL's article in the 12/04 QST,
> where it is direct-feed with no gamma match and supposedly 10.2dBi gain
> and SWR <1.5 across the entire band.
>
> Perhaps I am addressing the problem in the wrong order...it occurs to me I
> *do* have access to a PCB mill after all...anyone got a .dxf or Gerber
> file for a decent reflectometer head?
>
> 73, Brian KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>] On Behalf Of Benjamin Straw - KC9UNS
> Sent: Monday, November 28, 2011 5:52 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: 2m yagi for new radio
>
> To tell you the truth you will need a meter no mater what you build, I
> would get ahold of your local club and ask if a member has one that you

> can use or have him/her come over to Elmer you.
> I made a yagi that had bad coax and I didn't even know it till I put an
> analyzer, it's a good way to blow up a rig!
> Also if your making a portable yagi see if you have a cb shop near you,
> and ask if they have an analyzer that covers 144mhz or the band your
> shooting for.
>
> Sent from my iPhone "Grammar mistakes are all on the iPhone"
>
> On Nov 28, 2011, at 5:06 PM, "KA9EGW" <ka9egw@...
> <mailto:ka9egw%40britewerkz.com> > wrote:
>
> > Oh, there are many, many different plans. Not owning a vhf swr meter,
> > what I'm asking for is help narrowing my search to those designs that
> > really don't need tuning if built "to print".
> >
> > I can hold .005" tolerance easily.
> >
> > 73, Brian KA9EGW
> >
> > -----Original Message-----
> > From: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>] On Behalf Of VE3FMC
> > Sent: Monday, November 28, 2011 3:18 PM
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Subject: [ham-antennas] Re: 2m yagi for new radio
> >
> > Brian you should Google 2 meter yagis and you will come up with lots
> > of different plans for a suitable beam for 2 meter SSB.
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "KA9EGW" <ka9egw@...> wrote:
> > >
> > > I have cut a deal for a used 2m ssb radio; now I need to make an
> > > antenna to go with it. I don't have VHF measurement capability.
> > >
> > > Please tell me, of all the different yagi designs out there, which
> > > is your favorite for "least-tuning-required-if-built-to-print"?
> > >
> > > 73, Brian KA9EGW
> > >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT
> permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be

> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com <mailto:ham-antennas-
> subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com <mailto:ham-
> antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com <mailto:ham-antennas-
> owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com <mailto:ham-antennas-
> subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com <mailto:ham-
> antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com <mailto:ham-antennas-
> owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>
>
>

20894. Busy weekend!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 15:43:02 UTC
From: Ed Stewart
Topic: 20894 Message: 20894

Saturday three friends came out and we set the fifty foot tower with 10 and 2 meter yagis on top up with no hassle. Yesterday morning my License came in the mail, I am now KB3WRX I have to run some coax inside the house and a coaxial switch and a couple good ground wires and pull the Windom up and I am in business. Ed
--

[Non-text portions of this message have been removed]

20895. Re: [ham-antennas] Busy weekend!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 15:49:28 UTC
From: dean
Topic: 20894 Message: 20895

Congratulations. When I got my General license a friend came over and put up my 3 element tri bander, and a 75/80 and 40 M inverted V fan dipole. I talked to a lot of people on those antennas.

Give thanks to our Elmer's.

73, WY6L

From: Ed Stewart
Sent: Tuesday, November 29, 2011 7:43 AM
To: Ham Antenna's
Subject: [ham-antennas] Busy weekend!

Saturday three friends came out and we set the fifty foot tower with 10 and 2 meter yagis on top up with no hassle. Yesterday morning my License came in the mail, I am now KB3WRX I have to run some coax inside the house and a coaxial switch and a couple good ground wires and pull the Windom up and I am in business. Ed
--

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20896. Re: [ham-antennas] Busy weekend!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 16:17:09 UTC
From: Ed Stewart
Topic: 20894 Message: 20896

This is my second time around, I was first issued K3SFA back in around
1960. Ed

On 11/29/2011 10:49 AM, dean wrote:
>
> Congratulations. When I got my General license a friend came over and
> put up my 3 element tri bander, and a 75/80 and 40 M inverted V fan
> dipole. I talked to a lot of people on those antennas.
>
> Give thanks to our Elmer's.
>
> 73, WY6L
>
> From: Ed Stewart
> Sent: Tuesday, November 29, 2011 7:43 AM
> To: Ham Antenna's
> Subject: [ham-antennas] Busy weekend!
>
> Saturday three friends came out and we set the fifty foot tower with 10
> and 2 meter yagis on top up with no hassle. Yesterday morning my License
> came in the mail, I am now KB3WRX I have to run some coax inside the
> house and a coaxial switch and a couple good ground wires and pull the
> Windom up and I am in business. Ed
> --
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

--

[Non-text portions of this message have been removed]

20897. Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 17:18:36 UTC
From: Chris D
Topic: 20852 Message: 20897

You might consider a 2m Moxon rectangle. Broad tuning (less than 1.5:1 from 144-148), easy and cheap to build, small, and decent enough gain of 5+ dB. I built one recently and could work a repeater 20+ miles away from inside my work building with 1 watt. Had the electrical wire, 1/2" pvc, coax and connector, so the only only cost was a couple of bucks for some pvc fittings.

http://www.moxonantennaproject.com/wb5cxc/wb5cxc.htm

http://www.wb5cxc.com/Resources/ARES%202M%20Moxon%20Antenna.pdf

73,
Chris
KQ2RP

20898. Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 17:29:39 UTC
From: ke5cos
Topic: 20852 Message: 20898

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> I have cut a deal for a used 2m ssb radio; now I need to make an antenna to
> go with it. I don't have VHF measurement capability.
>
> Please tell me, of all the different yagi designs out there, which is your
> favorite for "least-tuning-required-if-built-to-print"?
>
> 73, Brian KA9EGW
>
Brian,
You might want to consider the "Quagi" for your antenna project. It is a hybrid between a yagi and quad. Very easy to construct, somewhat forgiving in construction, high gain and simple feed system and use locally available materials. I've built several of these antennas for 2 mtrs, 1.25 fm and for 70 cm and all have worked flawlessly.
http://commfaculty.fullerton.edu/woverbeck/quagi.htm
73
Brock/ke5cos

20899. Re: [ham-antennas] Re: 2m yagi for new radio

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 18:17:49 UTC
From: Dave
Topic: 20852 Message: 20899

Try the ARRL Antenna Book. It's full of great construction projects that are easy to build.

Dave, W8QW

-----Original Message-----
From: ke5cos

Sent: Nov 29, 2011 12:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 2m yagi for new radio

--- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>
> I have cut a deal for a used 2m ssb radio; now I need to make an antenna to
> go with it. I don't have VHF measurement capability.
>
> Please tell me, of all the different yagi designs out there, which is your
> favorite for "least-tuning-required-if-built-to-print"?
>
> 73, Brian KA9EGW
>
Brian,
You might want to consider the "Quagi" for your antenna project. It is a hybrid between a yagi and quad. Very easy to construct, somewhat forgiving in construction, high gain and simple feed system and use locally available materials. I've built several of these antennas for 2 mtrs, 1.25 fm and for 70 cm and all have worked flawlessly.
http://commfaculty.fullerton.edu/woverbeck/quagi.htm
73
Brock/ke5cos

_____
PeoplePC Online
A better way to Internet
http://www.peoplepc.com

20900. Re: [ham-antennas] Busy weekend!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-29 21:12:13 UTC
From: dean
Topic: 20894 Message: 20900

You got me there. I got my tech back in 02, General in 07, and the extra in 08. Been enjoying the hobby ever since.

73, WY6L

From: Ed Stewart
Sent: Tuesday, November 29, 2011 8:17 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Busy weekend!

This is my second time around, I was first issued K3SFA back in around 1960. Ed

On 11/29/2011 10:49 AM, dean wrote:
>
> Congratulations. When I got my General license a friend came over and
> put up my 3 element tri bander, and a 75/80 and 40 M inverted V fan
> dipole. I talked to a lot of people on those antennas.
>
> Give thanks to our Elmer's.
>
> 73, WY6L
>
> From: Ed Stewart
> Sent: Tuesday, November 29, 2011 7:43 AM
> To: Ham Antenna's
> Subject: [ham-antennas] Busy weekend!
>
> Saturday three friends came out and we set the fifty foot tower with 10
> and 2 meter yagis on top up with no hassle. Yesterday morning my License
> came in the mail, I am now KB3WRX I have to run some coax inside the
> house and a coaxial switch and a couple good ground wires and pull the
> Windom up and I am in business. Ed
> --
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

--

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20901. 75 ohmn matching stubs 6 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-30 19:35:14 UTC
From: robert
Topic: 20901 Message: 20901

I know there is a site on the internet that gives the length of coax for matching stubs. I hope some out here know where it is. I know 234 diveded into freq plus times the velocity factor

20902. AW: [ham-antennas] 75 ohmn matching stubs 6 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-30 19:49:56 UTC
From: Siegfried Jackstien
Topic: 20901 Message: 20902

Just a rough guess ... one meter :-)
Quarterwave 1.5m x 0.66 = 1 m ... but velocity factor might be different
(many 75 ohms show around 0.8 with foam insulation)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von robert
> Gesendet: Mittwoch, 30. November 2011 19:35
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 75 ohmn matching stubs 6 meters
>
>
>
> I know there is a site on the internet that gives the length of coax for
> matching stubs. I hope some out here know where it is. I know 234 diveded
> into freq plus times the velocity factor
>
>
>
>

20903. Build a 2m antenna using a parabolic dish....

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-30 21:07:55 UTC
From: fjl43
Topic: 20903 Message: 20903

I have 2 parabolic dish antennas. One is 20 inches in diameter, and the other is 32 inches in diameter.
Has anyone tried to make a 2 meter directional antenna mounted at the focal point of the dish to enhance Transmit and Receive ?
Obviously the driven element would face the dish at the focal point of the dish. How would one make THAT driven element? Would be nice to find a 2meter LNB....but likely not available.
Any thoughts..????
Gain would be quite impressive. but highly directive.
Regards to this group..
73 de Fred W1POP

20904. Re: [ham-antennas] Build a 2m antenna using a parabolic dish....

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-11-30 21:40:54 UTC
From: Ron Youvan
Topic: 20903 Message: 20904

Fred W1POP fjl43:

> I have 2 parabolic dish antennas. One is 20 inches in diameter, and the other is 32 inches in diameter.
> Has anyone tried to make a 2 meter directional antenna mounted at the focal point of the dish to
> enhance Transmit and Receive ?
> Obviously the driven element would face the dish at the focal point of the dish. How would one make
> THAT driven element?

It would be a dipole that is made to be the driven element simply by putting a reflector behind
it. (on the side away from the dish) It could simply be a metal disk or fine screen wire.

There is another major problem, a dish will only focus and give you gain unless it is more than X
number of wavelengths in diameter. I do not know that number is or if it is a constant or a function I suspect in might be on the order of 8 or 10 times.

A two meter (146,000,000. Hz) dipole is about 38" across, so obviously the dish can not focus on
very much of the dipole if it is a 20 or 32" dish. It won't work. Yes I'm sure.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

20905. dipole height

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 01:54:21 UTC
From: john
Topic: 20905 Message: 20905

is there a limit as to how high off the ground a wire antenna can be and still function properly ? My opek tech folded 6-160 meter dipole came with 75 feet of coax ,is that my limit?if I extend it will it affect it`s performance I will be putting up a 60 foot tower soon and am thinking of hanging the dipole from a standoff at that height, could the towers metal construction affect the radiation pattern I dont push more than a 100 watts and will be putting the 2 meter vertical up there along with a 40 meter taktenna no hoa in my woods hehehehe Thanks N1JTZ

20906. Re: [ham-antennas] dipole height

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 02:20:08 UTC
From: Ken
Topic: 20905 Message: 20906

On Nov 30, 2011, at 8:54 PM, john wrote:

> is there a limit as to how high off the ground a wire antenna can be and still function properly ? My opek tech folded 6-160 meter dipole came with 75 feet of coax ,is that my limit?if I extend it will it affect it`s performance I will be putting up a 60 foot tower soon and am thinking of hanging the dipole from a standoff at that height, could the towers metal construction affect the radiation pattern I dont push more than a 100 watts and will be putting the 2 meter vertical up there along with a 40 meter taktenna no hoa in my woods hehehehe Thanks N1JTZ

It all depends on what distances you want to work. For closer in distances(e.g. 50-200 miles), a high angle of radiation helps. For medium distances, a moderate angle is better and for long distances, a low angle is best.

A quarter wave high (65' for 80 m) is good for shorter distances. A half wave high (130' on 80m or 65' on 40m) is good for medium to longer distance and poor for closer in.

Of course reaching a half wave on 160m is impossible for most of us.

A quarter wave on 80 is a half wave on 40, and a full wave height on 20.

For a 160 thru 6 meter antenna, there is no single good answer. You can find a complete answer in the Handbook or Antenna Manual.

A metal tower will have no significant effect on a horizontal antenna. Likewise, power is not an issue either.

Ken WA8JXM

20907. Inverted L Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 02:25:45 UTC
From: crb102463
Topic: 1887 Message: 20907

Hello Group;
Any feed back on inverted "L" for 10-40m.
The vertical section would be about 16' and the horizontal section would be 24' in lenght with the high end at about 30'. I would have a radial filed of 28 and matched with a 4to1 unun.

How would this compare to a vetical wire of about 31' similar to an s9
vetical I already have the pole

Thanks
Randy
W9RTB

20908. RE: [ham-antennas] dipole height

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 02:59:40 UTC
From: Richard Schmuke
Topic: 20905 Message: 20908

John each band has a optimum height so installing it at the high point of the tower is the best. It might be a little low at 160 but great on 40. Because you tower will be close to the center of the dipole it won't interfere with the radiation pattern. Here is a picture of my 5 band dipole mounted on a standoff and a 2m J-Pole on top just like you are talking about. http://s1102.photobucket.com/albums/g453/KD0ZZ/?action=view?t=DSC00949.jpg

The coax length cannot be any shorter than the length from the antenna to the rig, a whole lot longer is just added loss.

Rich ,KDØZZ , ☺

The likelyhood of damage to a component is inversely proportional to the number you have available, and directly proportional to its cost.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of john
Sent: Wednesday, November 30, 2011 7:54 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] dipole height

is there a limit as to how high off the ground a wire antenna can be and still function properly ? My opek tech folded 6-160 meter dipole came with 75 feet of coax ,is that my limit?if I extend it will it affect it`s performance I will be putting up a 60 foot tower soon and am thinking of hanging the dipole from a standoff at that height, could the towers metal construction affect the radiation pattern I dont push more than a 100 watts and will be putting the 2 meter vertical up there along with a 40 meter taktenna no hoa in my woods hehehehe Thanks N1JTZ

[Non-text portions of this message have been removed]

20909. Re: [ham-antennas] dipole height

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 04:13:43 UTC
From: Jay Jordan
Topic: 20905 Message: 20909

I have an 80 meter resonant dipole about 50' in the air with a tower supporting the center of the dipole . works great on 10 -80 with a tuner. the higher you go ... the better (of course) with height you get a lower angle of radiation (better for DX) the lower you go the more of a NVIS antenna you'll have . also the higher you go the impedance of your antenna climbs to 72 ohms - and the lower you go closer to 50 ohms you be. I feed mine with 450 ohm ladder line (tuner has a 4:1 built in) so if you are using coax , you may want to consider a balun .... 1:1 should be fine but not sure (one of the more experienced Elmers in the group will probably fill in the finer details - I am hoping) anyway give 'er a try and experiment some - find out what works best in your yard ! and when you find out , let us know ! have fun !!

Jay NX2C

---

is there a limit as to how high off the ground a wire antenna can be and still function properly ? My opek tech folded 6-160 meter dipole came with 75 feet of coax ,is that my limit?if I extend it will it affect it`s performance I will be putting up a 60 foot tower soon and am thinking of hanging the dipole from a standoff at that height, could the towers metal construction affect the radiation pattern I dont push more than a 100 watts and will be putting the 2 meter vertical up there along with a 40 meter taktenna no hoa in my woods hehehehe Thanks N1JTZ

[Non-text portions of this message have been removed]

20910. Re: [ham-antennas] Inverted L Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 04:45:11 UTC
From: Artekmedia
Topic: 1887 Message: 20910

The 31' straight wire will be slightly better (maybe 1db) than the inverted L on 40M ..the other bands will be more variable. better in some directions worse in others as the horizontal portion of the inverted L will come more into play as radiator on these bands.

Go back and look at the antenna software thread on here from the last two weeks then download one of the free programs recommended (I ended up preferring 4NEC2) and look at the two antennas in simulation at each frequency

Dave

NR1DX

On 11/30/2011 8:25 PM, crb102463 wrote:
>
> Hello Group;
> Any feed back on inverted "L" for 10-40m.
> The vertical section would be about 16' and the horizontal section
> would be 24' in lenght with the high end at about 30'. I would have a
> radial filed of 28 and matched with a 4to1 unun.
>
> How would this compare to a vetical wire of about 31' similar to an s9
> vetical I already have the pole
>
> Thanks
> Randy
> W9RTB
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20911. AW: [ham-antennas] Build a 2m antenna using a parabolic dish....

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 11:17:58 UTC
From: Siegfried Jackstien
Topic: 20903 Message: 20911

The diameter of a dish should be minimum ten timest he wavelength ... so if
you have a 20m dish ..... then you could use it on 2m
If you have a 2m dish ot would be usable from 1.2 gig to higher
20 inches??? Only useable for 10 gig and NO chance for 2m for sure
Dg9bfc
Sigi

Ps sometimes I am asking myself how some guys got their lis ;-D

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von fjl43
> Gesendet: Mittwoch, 30. November 2011 21:08
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Build a 2m antenna using a parabolic dish....
>
>
>
> I have 2 parabolic dish antennas. One is 20 inches in diameter, and the
> other is 32 inches in diameter.
> Has anyone tried to make a 2 meter directional antenna mounted at the
> focal point of the dish to enhance Transmit and Receive ?
> Obviously the driven element would face the dish at the focal point of the
> dish. How would one make THAT driven element? Would be nice to find a
> 2meter LNB....but likely not available.
> Any thoughts..????
> Gain would be quite impressive. but highly directive.
> Regards to this group..
> 73 de Fred W1POP
>
>
>
>

20912. extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 17:56:24 UTC
From: goldtr8@charter.net
Topic: 20912 Message: 20912

Gents,

I need to take the existing loop 160m loop down due to poor performance from being to low to the ground (eariler posts regarding my current state of affaris so we dont have to revist this).

Before I put it something up in the air again higher closer to between 25 to 40 ft (based on trees) I took the existing loop and seperated the sections, so its kinda like a large circle but now two seperate lines no longer a loop. I checked the performance and it is similar to the loop. I did this because it was just easy to do, as I wanted a data point on comparision before the wire goes down.

Anyway, before I just go and restring a loop I am wondering if I should try an extended double zep antenna. From my research it looks like each leg would be about 340 ft long which I can manage to get in the air between 25 to 40 ft in height (based on trees). However, I can not get it in a straight line. I could make it into a U shape or lazy S, for lack of a better description.

My only goal of this antenna is to try stuff that I can build myself and the comparision will always be vs. my existing alpha delta dipole at 30Ft high.

So if I can make something better than the dipole on some bands that would be great. Currently I use the dipole on all bands as it has trapps for 160 and 80 and multiple wires for the higher bands which is why I am thinking the 340 foot for each leg (assuming I have my calculations correct).

Cost is not an issue regarding this idea (I already have the wire) only the time to spend taking the existing wire down and playing with the spud gun to get it back up in the trees.

Please give me your thoughts, pro, con or otherwise.

~73
Don
KD8NNU

<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20913. AW: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 17:59:14 UTC
From: Siegfried Jackstien
Topic: 20912 Message: 20913

What spudgun do you use for that
What are your findings? How accurate is shooting over branches?
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von goldtr8@...
> Gesendet: Donnerstag, 1. Dezember 2011 17:56
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] extended double zepp or loop comments
>
>
>
>
> Gents,
>
> I need to take the existing loop 160m loop down due to poor performance
> from being to low to the ground (eariler posts regarding my current
> state of affaris so we dont have to revist this).
>
> Before I put it something up in the air again higher closer to between
> 25 to 40 ft (based on trees) I took the existing loop and seperated the
> sections, so its kinda like a large circle but now two seperate lines no
> longer a loop. I checked the performance and it is similar to the loop.
> I did this because it was just easy to do, as I wanted a data point on
> comparision before the wire goes down.
>
> Anyway, before I just go and restring a loop I am wondering if I should
> try an extended double zep antenna. From my research it looks like
> each leg would be about 340 ft long which I can manage to get in the air
> between 25 to 40 ft in height (based on trees). However, I can not get
> it in a straight line. I could make it into a U shape or lazy S, for
> lack of a better description.
>
> My only goal of this antenna is to try stuff that I can build myself and
> the comparision will always be vs. my existing alpha delta dipole at
> 30Ft high.
>
> So if I can make something better than the dipole on some bands that
> would be great. Currently I use the dipole on all bands as it has
> trapps for 160 and 80 and multiple wires for the higher bands which is
> why I am thinking the 340 foot for each leg (assuming I have my
> calculations correct).
>

> Cost is not an issue regarding this idea (I already have the wire) only
> the time to spend taking the existing wire down and playing with the
> spud gun to get it back up in the trees.
>
> Please give me your thoughts, pro, con or otherwise.
>
> ~73
> Don
> KD8NNU
>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
>
>
>

20914. Re: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 18:15:15 UTC
From: Artekmedia
Topic: 20912 Message: 20914

Don

2nd report in 2 weeks of a loo horizontal loop on 160 M not working all
that well (as compared to?) .

Before I comment on your extended zepp what are your operating goals for
this antenna Short hop rag chew, mid distance WAS or DX?

What are feeding it with , how long is the feed line run and how are you
matching it?

Dave
NR1DX

On 12/1/2011 11:56 AM, goldtr8@... wrote:
>
>
> Gents,
>
> I need to take the existing loop 160m loop down due to poor performance
> from being to low to the ground (eariler posts regarding my current
> state of affaris so we dont have to revist this).
>
> Before I put it something up in the air again higher closer to between
> 25 to 40 ft (based on trees) I took the existing loop and seperated the
> sections, so its kinda like a large circle but now two seperate lines no
> longer a loop. I checked the performance and it is similar to the loop.
> I did this because it was just easy to do, as I wanted a data point on
> comparision before the wire goes down.
>
> Anyway, before I just go and restring a loop I am wondering if I should
> try an extended double zep antenna. From my research it looks like
> each leg would be about 340 ft long which I can manage to get in the air
> between 25 to 40 ft in height (based on trees). However, I can not get
> it in a straight line. I could make it into a U shape or lazy S, for
> lack of a better description.
>
> My only goal of this antenna is to try stuff that I can build myself and
> the comparision will always be vs. my existing alpha delta dipole at
> 30Ft high.
>
> So if I can make something better than the dipole on some bands that
> would be great. Currently I use the dipole on all bands as it has
> trapps for 160 and 80 and multiple wires for the higher bands which is
> why I am thinking the 340 foot for each leg (assuming I have my
> calculations correct).

>
> Cost is not an issue regarding this idea (I already have the wire) only
> the time to spend taking the existing wire down and playing with the
> spud gun to get it back up in the trees.
>
> Please give me your thoughts, pro, con or otherwise.
>
> ~73
> Don
> KD8NNU
>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20915. Re: Inverted "L" question.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 18:21:34 UTC
From: ffuhrer@elmore.rr.com
Topic: 20915 Message: 20915

Hi All,
I first read about the inverted "L" antenna in a Department of the Army Tech Manual (Antennas and Radio Propagation, also W1FB's "Antenna Book"). It is a good compromise antenna, simple to build, portable, and used with an antenna match and "crowsfoot counterpoise" ground, usable on any H-F band. A crowsfoot counterpoise is three wires (bare or coated) ground laid about 2 to 5 feet apart terminated at the feed point end with a ground rod and either terminated at the end of each wire by ground rods, or left loose that follows the horizontal component of the antenna. From 160 meters to 10 meters, it gives good results, and adds both vertical and horizontal components to the radiated signal. It is also a good antenna for restricted space, as the vertical part shortens the horizontal space used. The crowsfoot counterpoise eliminates any poor ground conductivity problems. You can build it as a 1/4 wave, or a 3/4 wave end fed antenna. All my versions have been 3/4 wave at the lowest operating frequency (160M). I like the gain it seems to show at the higher frequencies.

I have used this antenna for over 30 years in many different locations, at home, Field Day ops, camping, hill topping, MARS use, and it has always given good results. I have shunt loaded it, delta matched it, and just end fed it tying the braid to the counterpoise, and the center conductor to the antenna. I have supported it with a tree, a push up pole, and a tower. It always works. This antenna has been used by the Armed Forces for over 70 years, and if they like it, it must be a good antenna. I like its simplicity, and the excellent results I get. You can use it without an antenna matcher if you prune it right for single band operation. The larger the conductor you use with the antenna, and counterpoise, the lower the antenna's "Q" is, and the wider the 2:1 SWR points are. The best results is with an antenna match, and 450 ohm ladder line feedline. No external balun necessary.

Build one, and have fun,
Regards,
Fred - W4FJF.

20916. Re: [ham-antennas] Re: Inverted "L" question.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 18:47:59 UTC
From: Dan Schaaf
Topic: 20915 Message: 20916

Wouldn't more radials make it more efficient ?

Try to think of an Inverted L as a vertical with top hat loading. On a vertical, most of the radiation is from the lower 1/3 (or so) of the antenna.
So the inverted L is a good radiator.
Base loading is lossy using a loading coil at the base.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: ffuhrer@...
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 01, 2011 1:21 PM
Subject: [ham-antennas] Re: Inverted "L" question.

Hi All,
I first read about the inverted "L" antenna in a Department of the Army Tech Manual (Antennas and Radio Propagation, also W1FB's "Antenna Book"). It is a good compromise antenna, simple to build, portable, and used with an antenna match and "crowsfoot counterpoise" ground, usable on any H-F band. A crowsfoot counterpoise is three wires (bare or coated) ground laid about 2 to 5 feet apart terminated at the feed point end with a ground rod and either terminated at the end of each wire by ground rods, or left loose that follows the horizontal component of the antenna. From 160 meters to 10 meters, it gives good results, and adds both vertical and horizontal components to the radiated signal. It is also a good antenna for restricted space, as the vertical part shortens the horizontal space used. The crowsfoot counterpoise eliminates any poor ground conductivity problems. You can build it as a 1/4 wave, or a 3/4 wave end fed antenna. All my versions have been 3/4 wave at the lowest operating frequency (160M). I like the gain it seems to show at the higher frequencies.

I have used this antenna for over 30 years in many different locations, at home, Field Day ops, camping, hill topping, MARS use, and it has always given good results. I have shunt loaded it, delta matched it, and just end fed it tying the braid to the counterpoise, and the center conductor to the antenna. I have supported it with a tree, a push up pole, and a tower. It always works. This antenna has been used by the Armed Forces for over 70 years, and if they like it, it must be a good antenna. I like its simplicity, and the excellent results I get. You can use it without an antenna matcher if you prune it right for single band operation. The larger the conductor you use with the antenna, and counterpoise, the lower the antenna's "Q" is, and the wider the 2:1 SWR points are. The best results is with an antenna match, and 450 ohm ladder line feedline. No external balun necessary.

Build one, and have fun,
Regards,
Fred - W4FJF.

[Non-text portions of this message have been removed]

20917. Mmana-GAl vs 4NEC2 VS reality

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-01 23:01:58 UTC
From: Artekmedia
Topic: 20917 Message: 20917

OK thanks to the early postings and urging of various list memebers I downloaded both MMAN-GAL and 4NEC2 antenna modeling programs.

After a weeks of playing with both I have a slight preference for 4NEC 2 but that is not what the post is about.

I put up an inverted L for 160M at the new QTH as I have done at several locations in the past. One difference given much play in the popular literature in recent years is that a few elevated radials are better than an extensive ground screen mounted at earth level. So I this L went up with 3 radials about 10' above ground. The new antenna was much harder to tune than I am used to ...long story no longer relevant Also I found I was just not getting out like I was used to with my earlier Ground mounted L's. (could be the fact that I now live in 160M black hole called the upper mid-west...I was warned about this when moving from NH) I began modeling things to see what was going on .

I modeled the antenna using identical coordinates and dimensions in both MMana and 4nec2. The results are as follows

1) Both programs confirmed that the ground mounted antenna with a modest (20 1/8 wavelength radials) ground mounted radial system was about 2-3 dB better than the 3 elevated radial version.

2) Both programs give different results for impedance
Mman : 7.7 -j144
4Nec2: 16.9-j127

3) The measured results with my AEA CIA-HF analyzer are
28-j0

If I lengthen the radials in the computer models to around 160-170 feet (from 132) the J component finally goes to zero. I have not tried this with the real antenna yet.

Any ideas as to why the computer models are so far off? Especially the reactive part?All modeling and measurement is done at 1.825 MHz. Both programs are set for REAL GROUND

Dave NR1DX

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

20918. Re: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 02:02:11 UTC
From: goldtr8@charter.net
Topic: 20912 Message: 20918

HI Dave

The comparison antenna is an alpha delta trapped dipole at 30 ft in an inverted v configuration. The loop was 3 s units lower in RX and similar reports in TX.

Feed is 450 ladderline about 60 ft in length, to a 1:1 current balun to coax into the shack

Goal is to see if I can make a better antenna on lower bands than the dipole.

Basically I have the space and trees and the antenna is the most important part of the installation. So I want to see if I can do better.

Thanks
Don

~73
Don
KD8NNU

On Thu, Dec 1, 2011 at 1:15 PM, Artekmedia wrote:

Don

2nd report in 2 weeks of a loo horizontal loop on 160 M not working all that well (as compared to?) .

Before I comment on your extended zepp what are your operating goals for this antenna Short hop rag chew, mid distance WAS or DX?

What are feeding it with , how long is the feed line run and how are you matching it?

Dave
NR1DX

On 12/1/2011 11:56 AM, goldtr8@...
<javascript:parent.wgMail.openComposeWindow('goldtr8@...')>
wrote:
>
>
> Gents,
> I need to take the existing loop 160m loop down due to poor
> performance from being to low to the ground (eariler posts regarding
> my current state of affaris so we dont have to revist this).

> Before I put it something up in the air again higher closer to between
> 25 to 40 ft (based on trees) I took the existing loop and seperated
> the sections, so its kinda like a large circle but now two seperate
> lines no longer a loop. I checked the performance and it is similar to
> the loop. I did this because it was just easy to do, as I wanted a
> data point on comparision before the wire goes down.
> Anyway, before I just go and restring a loop I am wondering if I
> should try an extended double zep antenna. From my research it looks
> like each leg would be about 340 ft long which I can manage to get in
> the air between 25 to 40 ft in height (based on trees). However, I can
> not get it in a straight line. I could make it into a U shape or lazy
> S, for lack of a better description.
> My only goal of this antenna is to try stuff that I can build myself
> and the comparision will always be vs. my existing alpha delta dipole
> at 30Ft high.
> So if I can make something better than the dipole on some bands that
> would be great. Currently I use the dipole on all bands as it has
> trapps for 160 and 80 and multiple wires for the higher bands which is
> why I am thinking the 340 foot for each leg (assuming I have my
> calculations correct).
> Cost is not an issue regarding this idea (I already have the wire)
> only the time to spend taking the existing wire down and playing with
> the spud gun to get it back up in the trees.
> Please give me your thoughts, pro, con or otherwise.
> ~73 Don KD8NNU
> < http://docs.yahoo.com/info/terms/
> <http://docs.yahoo.com/info/terms/> >
> [Non-text portions of this message have been removed]
>

--
Dave& Lynn Henderson
Manuals@...
<javascript:parent.wgMail.openComposeWindow('Manuals@...')>
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('Manuals@...')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20919. RE: AW: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 02:05:55 UTC
From: goldtr8@charter.net
Topic: 20912 Message: 20919

HI Sigi,

My spud gun is homemade out of PVC pipe. I finished it last weekend and it is very accurate shooting over branches. I pump it with a bicycle air pump. So now I have the means to get the wire at the maximum height that my trees will allow compared to only using a ladder with my first attempt.

The spud gun shoots a pvc projectile, it is a cool unit, if I do say so myself. :-)

~73
Don
KD8NNU

On Thu, Dec 1, 2011 at 12:59 PM, Siegfried Jackstien wrote:

What spudgun do you use for that
What are your findings? How accurate is shooting over branches?
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> [mailto: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>] Im Auftrag von goldtr8@charter.net
> <javascript:parent.wgMail.openComposeWindow('goldtr8@...')>
> Gesendet: Donnerstag, 1. Dezember 2011 17:56 An:
> ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> Betreff: [ham-antennas] extended double zepp or loop comments
>
>
>
> Gents,
> I need to take the existing loop 160m loop down due to poor
> performance from being to low to the ground (eariler posts regarding
> my current state of affaris so we dont have to revist this).
> Before I put it something up in the air again higher closer to between
> 25 to 40 ft (based on trees) I took the existing loop and seperated
> the sections, so its kinda like a large circle but now two seperate
> lines no longer a loop. I checked the performance and it is similar to
> the loop. I did this because it was just easy to do, as I wanted a
> data point on comparision before the wire goes down.
> Anyway, before I just go and restring a loop I am wondering if I

> should try an extended double zep antenna. From my research it looks
> like each leg would be about 340 ft long which I can manage to get in
> the air between 25 to 40 ft in height (based on trees). However, I can
> not get it in a straight line. I could make it into a U shape or lazy
> S, for lack of a better description.
> My only goal of this antenna is to try stuff that I can build myself
> and the comparision will always be vs. my existing alpha delta dipole
> at 30Ft high.
> So if I can make something better than the dipole on some bands that
> would be great. Currently I use the dipole on all bands as it has
> trapps for 160 and 80 and multiple wires for the higher bands which is
> why I am thinking the 340 foot for each leg (assuming I have my
> calculations correct).
> Cost is not an issue regarding this idea (I already have the wire)
> only the time to spend taking the existing wire down and playing with
> the spud gun to get it back up in the trees.
> Please give me your thoughts, pro, con or otherwise.
> ~73 Don KD8NNU
> < http://docs.yahoo.com/info/terms/
> <http://docs.yahoo.com/info/terms/> >
> [Non-text portions of this message have been removed]
>
>
>

<http://docs.yahoo.com/info/terms/>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20920. Re: AW: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 03:43:03 UTC
From: Artekmedia
Topic: 20912 Message: 20920

Please post pictures of your spud gun in the group photo section when
you get a chance. What kind of "altitude" are you able to achieve?

Dave

On 12/1/2011 8:05 PM, goldtr8@... wrote:
>
>
> HI Sigi,
>
> My spud gun is homemade out of PVC pipe. I finished it last weekend and
> it is very accurate shooting over branches. I pump it with a bicycle
> air pump. So now I have the means to get the wire at the maximum
> height that my trees will allow compared to only using a ladder with my
> first attempt.
>
> The spud gun shoots a pvc projectile, it is a cool unit, if I do say so
> myself. :-)
>
> ~73
> Don
> KD8NNU
>
> On Thu, Dec 1, 2011 at 12:59 PM, Siegfried Jackstien wrote:
>
> What spudgun do you use for that
> What are your findings? How accurate is shooting over branches?
> Dg9bfc
> Sigi
>
> > -----UrsprÃ¼ngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> >
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>')>
> > [mailto: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> >
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>')>
> >] Im Auftrag von goldtr8@... <mailto:goldtr8%40charter.net>
> > <javascript:parent.wgMail.openComposeWindow('goldtr8@...
> <mailto:%27goldtr8%40charter.net>')>
> > Gesendet: Donnerstag, 1. Dezember 2011 17:56 An:
> > ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> >
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>')>
> > Betreff: [ham-antennas] extended double zepp or loop comments
> >
> >
> >
> > Gents,
> > I need to take the existing loop 160m loop down due to poor
> > performance from being to low to the ground (eariler posts regarding
> > my current state of affaris so we dont have to revist this).
> > Before I put it something up in the air again higher closer to between
> > 25 to 40 ft (based on trees) I took the existing loop and seperated
> > the sections, so its kinda like a large circle but now two seperate
> > lines no longer a loop. I checked the performance and it is similar to
> > the loop. I did this because it was just easy to do, as I wanted a
> > data point on comparision before the wire goes down.
> > Anyway, before I just go and restring a loop I am wondering if I
> > should try an extended double zep antenna. From my research it looks
> > like each leg would be about 340 ft long which I can manage to get in
> > the air between 25 to 40 ft in height (based on trees). However, I can
> > not get it in a straight line. I could make it into a U shape or lazy
> > S, for lack of a better description.
> > My only goal of this antenna is to try stuff that I can build myself
> > and the comparision will always be vs. my existing alpha delta dipole
> > at 30Ft high.
> > So if I can make something better than the dipole on some bands that
> > would be great. Currently I use the dipole on all bands as it has
> > trapps for 160 and 80 and multiple wires for the higher bands which is
> > why I am thinking the 340 foot for each leg (assuming I have my
> > calculations correct).
> > Cost is not an issue regarding this idea (I already have the wire)
> > only the time to spend taking the existing wire down and playing with
> > the spud gun to get it back up in the trees.
> > Please give me your thoughts, pro, con or otherwise.
> > ~73 Don KD8NNU
> > < http://docs.yahoo.com/info/terms/
> > <http://docs.yahoo.com/info/terms/> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> <http://docs.yahoo.com/info/terms/>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20921. Re: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 03:50:54 UTC
From: aa2id@aol.com
Topic: 20912 Message: 20921

don,
your spud gun sounds interesting.
do you have the instructions.
I would like to make one that works like yours.
I'm sure others would be interested as well.

we all are looking for better ways of getting our antennas up or
getting them up higher.

thanks for telling us how you do it.

Hal AA2ID

-----Original Message-----
From: goldtr8 <goldtr8@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Thu, Dec 1, 2011 4:06 pm
Subject: RE: AW: [ham-antennas] extended double zepp or loop comments

HI Sigi,

My spud gun is homemade out of PVC pipe. I finished it last weekend
and
it is very accurate shooting over branches. I pump it with a bicycle
air pump. So now I have the means to get the wire at the maximum
height that my trees will allow compared to only using a ladder with my
first attempt.

The spud gun shoots a pvc projectile, it is a cool unit, if I do say so
myself. :-)

~73
Don
KD8NNU

On Thu, Dec 1, 2011 at 12:59 PM, Siegfried Jackstien wrote:

What spudgun do you use for that
What are your findings? How accurate is shooting over branches?
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
')>
> [mailto: ham-antennas@yahoogroups.com
>

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
')>
>] Im Auftrag von goldtr8@...
> <javascript:parent.wgMail.openComposeWindow('goldtr8@...')>
> Gesendet: Donnerstag, 1. Dezember 2011 17:56 An:
> ham-antennas@yahoogroups.com
>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@...m
')>
> Betreff: [ham-antennas] extended double zepp or loop comments
>
>
>
> Gents,
> I need to take the existing loop 160m loop down due to poor
> performance from being to low to the ground (eariler posts regarding
> my current state of affaris so we dont have to revist this).
> Before I put it something up in the air again higher closer to
between
> 25 to 40 ft (based on trees) I took the existing loop and seperated
> the sections, so its kinda like a large circle but now two seperate
> lines no longer a loop. I checked the performance and it is similar
to
> the loop. I did this because it was just easy to do, as I wanted a
> data point on comparision before the wire goes down.
> Anyway, before I just go and restring a loop I am wondering if I
> should try an extended double zep antenna. From my research it looks
> like each leg would be about 340 ft long which I can manage to get in
> the air between 25 to 40 ft in height (based on trees). However, I
can
> not get it in a straight line. I could make it into a U shape or lazy
> S, for lack of a better description.
> My only goal of this antenna is to try stuff that I can build myself
> and the comparision will always be vs. my existing alpha delta dipole
> at 30Ft high.
> So if I can make something better than the dipole on some bands that
> would be great. Currently I use the dipole on all bands as it has
> trapps for 160 and 80 and multiple wires for the higher bands which
is
> why I am thinking the 340 foot for each leg (assuming I have my
> calculations correct).
> Cost is not an issue regarding this idea (I already have the wire)
> only the time to spend taking the existing wire down and playing with
> the spud gun to get it back up in the trees.
> Please give me your thoughts, pro, con or otherwise.
> ~73 Don KD8NNU
> < http://docs.yahoo.com/info/terms/
> <http://docs.yahoo.com/info/terms/> >
> [Non-text portions of this message have been removed]
>

>
>

<http://docs.yahoo.com/info/terms/>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20922. RE: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 04:07:58 UTC
From: Richard Schmuke
Topic: 20912 Message: 20922

Do you use a Schrader valve to pressurize it? How about some more info. Pictures or sketch ??

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of aa2id@...
Subject: Re: [ham-antennas] extended double zepp or loop comments

My spud gun is homemade out of PVC pipe. I finished it last weekend
and
it is very accurate shooting over branches. I pump it with a bicycle
air pump. So now I have the means to get the wire at the maximum
height that my trees will allow compared to only using a ladder with my
first attempt.

The spud gun shoots a pvc projectile, it is a cool unit, if I do say so
myself. :-)

~73
Don
KD8NNU

On Thu, Dec 1, 2011 at 12:59 PM, Siegfried Jackstien wrote:

What spudgun do you use for that
What are your findings? How accurate is shooting over branches?
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com>
')>
> [mailto: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com>
')>
>] Im Auftrag von goldtr8@... <mailto:goldtr8%40charter.net>
> <javascript:parent.wgMail.openComposeWindow('goldtr8@...
<mailto:%27goldtr8%40charter.net> ')>
> Gesendet: Donnerstag, 1. Dezember 2011 17:56 An:
> ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com>
')>
> Betreff: [ham-antennas] extended double zepp or loop comments
>
>
>
> Gents,
> I need to take the existing loop 160m loop down due to poor
> performance from being to low to the ground (eariler posts regarding
> my current state of affaris so we dont have to revist this).
> Before I put it something up in the air again higher closer to
between
> 25 to 40 ft (based on trees) I took the existing loop and seperated
> the sections, so its kinda like a large circle but now two seperate
> lines no longer a loop. I checked the performance and it is similar
to
> the loop. I did this because it was just easy to do, as I wanted a
> data point on comparision before the wire goes down.
> Anyway, before I just go and restring a loop I am wondering if I
> should try an extended double zep antenna. From my research it looks
> like each leg would be about 340 ft long which I can manage to get in
> the air between 25 to 40 ft in height (based on trees). However, I
can
> not get it in a straight line. I could make it into a U shape or lazy
> S, for lack of a better description.
> My only goal of this antenna is to try stuff that I can build myself
> and the comparision will always be vs. my existing alpha delta dipole
> at 30Ft high.
> So if I can make something better than the dipole on some bands that
> would be great. Currently I use the dipole on all bands as it has
> trapps for 160 and 80 and multiple wires for the higher bands which
is
> why I am thinking the 340 foot for each leg (assuming I have my
> calculations correct).
> Cost is not an issue regarding this idea (I already have the wire)
> only the time to spend taking the existing wire down and playing with
> the spud gun to get it back up in the trees.
> Please give me your thoughts, pro, con or otherwise.
> ~73 Don KD8NNU
> < http://docs.yahoo.com/info/terms/
> <http://docs.yahoo.com/info/terms/> >
> [Non-text portions of this message have been removed]
>
>
>

<http://docs.yahoo.com/info/terms/>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20923. Unwanted A4 resonance shift

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 06:34:00 UTC
From: nelson w
Topic: 20923 Message: 20923

For some months I have had an erratic SWR with my A4. I just ran a new coax feed and now have a different problem. On all four bands (I have the 40 meter add-on) the lowest SWR is higher in frequency than the top end of the bands. All I did now was connect the new coax and not change anything else. I have been using the antenna for a number of years and have always had good SWR's at the wanted frequencies prior to the intermittent SWR problem. The only thing that I can think of that could cause this situation is a change in element length but I can't see how that could happen. I can't figure how a new length of coax could cause this problem but clearly something has changed the resonances. It looks like I'll have to disconnect the coax at the antenna and check resonances at the feedpoint of the antenna. My tower is a tilt over and I need a calm day to tilt it and those days are not very frequent. I'd like to a good idea what to look for when I do have access to the antenna. Any thoughts?

Nelson, K8DJC

20924. AW: [ham-antennas] Mmana-GAl vs 4NEC2 VS reality

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 07:49:45 UTC
From: Siegfried Jackstien
Topic: 20917 Message: 20924

What are the settings in dm1 and dm2 in mmana??
As higher you go with that numbers the more elements are calculated ... and
if that number is tooo low then the result is "bulls..." :-)
The engine in the soft can not handle wires close to ground very accurate
And next thing is that if you have

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Artekmedia
> Gesendet: Donnerstag, 1. Dezember 2011 23:02
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Mmana-GAl vs 4NEC2 VS reality
>
>
>
> OK thanks to the early postings and urging of various list memebers I
> downloaded both MMAN-GAL and 4NEC2 antenna modeling programs.
>
> After a weeks of playing with both I have a slight preference for 4NEC
> 2 but that is not what the post is about.
>
> I put up an inverted L for 160M at the new QTH as I have done at several
> locations in the past. One difference given much play in the popular
> literature in recent years is that a few elevated radials are better
> than an extensive ground screen mounted at earth level. So I this L went
> up with 3 radials about 10' above ground. The new antenna was much
> harder to tune than I am used to ...long story no longer relevant Also I
> found I was just not getting out like I was used to with my earlier
> Ground mounted L's. (could be the fact that I now live in 160M black
> hole called the upper mid-west...I was warned about this when moving
> from NH) I began modeling things to see what was going on .
>
> I modeled the antenna using identical coordinates and dimensions in both
> MMana and 4nec2. The results are as follows
>
> 1) Both programs confirmed that the ground mounted antenna with a modest
> (20 1/8 wavelength radials) ground mounted radial system was about 2-3
> dB better than the 3 elevated radial version.
>
> 2) Both programs give different results for impedance
> Mman : 7.7 -j144
> 4Nec2: 16.9-j127
>
> 3) The measured results with my AEA CIA-HF analyzer are
> 28-j0

>
> If I lengthen the radials in the computer models to around 160-170 feet
> (from 132) the J component finally goes to zero. I have not tried this
> with the real antenna yet.
>
> Any ideas as to why the computer models are so far off? Especially the
> reactive part?All modeling and measurement is done at 1.825 MHz. Both
> programs are set for REAL GROUND
>
> Dave NR1DX
>
> --
> Dave& Lynn Henderson
> Manuals@ArtekMedia.com <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
>

20925. RE: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 08:03:14 UTC
From: Jake, ON4YZ
Topic: 20912 Message: 20925

Ways to go high up the trees.

Interesting : http://www.youtube.com/watch?v=qXeXHrGaESA

And also, look at the very last picture on this page (hi) :
http://militaryradio.com/spyradio/grc109.html

I know an Austrian OM who makes huge loops using helium balloons to hang his wires at the very top of his trees.

http://www.qrz.com/db/oe5msm

73 de Jake ☐ ON4YZ

De : ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] De la part de Siegfried Jackstien
Envoyé : jeudi 1 décembre 2011 18:59
À : ham-antennas@yahoogroups.com
Objet : AW: [ham-antennas] extended double zepp or loop comments

What spudgun do you use for that
What are your findings? How accurate is shooting over branches?
Dg9bfc
Sigi

[Non-text portions of this message have been removed]

20926. AW: [ham-antennas] Mmana-GAl vs 4NEC2 VS reality

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 08:05:26 UTC
From: Siegfried Jackstien
Topic: 20917 Message: 20926

Uups ... email went out accidently :-)
Ok ...
The engine can not handle low wires (close to ground) very accurate
Next thing is ... you wrote you have 3 elevated radials?
Not easy to have the same current in all the 3 legs ... I would increase the number .... did you measure current in the radials? I am guessing that they are not the same!!! ...
If the currents are not the same the result is that the soft also calculates radiation from the elevated radials as nvis radiation ...
What you are looking for is low angle dx ... right?!?
So you have to have equal currents in the radials that they cancel each other in radiation and only the radiation from the vertical is left ...
Problem here is that you have an inverted l and not a straight vertical ...
You will have un-equal currents regardless what you do ... and so the radials will radiate half of your power straight up
With a ground mounted inverted l it is a bit different ... there the only part that is radiating nvis is the horizontal part ...
But most of your power is transmitted from the vertical radiator
If you would make the horizontal part to 2 sides with equal length then only the vertical part would radiate cause the horizontal radiation of the now 2 tophat legs would cancel the radiation from the other side (if you have equal currents in both tophat wires)...

Increase dm1 and dm2 for better accuracy!!

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Artekmedia
> Gesendet: Donnerstag, 1. Dezember 2011 23:02
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Mmana-GAl vs 4NEC2 VS reality
>
>
>
> OK thanks to the early postings and urging of various list memebers I
> downloaded both MMAN-GAL and 4NEC2 antenna modeling programs.
>
> After a weeks of playing with both I have a slight preference for 4NEC
> 2 but that is not what the post is about.
>
> I put up an inverted L for 160M at the new QTH as I have done at several
> locations in the past. One difference given much play in the popular
> literature in recent years is that a few elevated radials are better

> than an extensive ground screen mounted at earth level. So I this L went
> up with 3 radials about 10' above ground. The new antenna was much
> harder to tune than I am used to ...long story no longer relevant Also I
> found I was just not getting out like I was used to with my earlier
> Ground mounted L's. (could be the fact that I now live in 160M black
> hole called the upper mid-west...I was warned about this when moving
> from NH) I began modeling things to see what was going on .
>
> I modeled the antenna using identical coordinates and dimensions in both
> MMana and 4nec2. The results are as follows
>
> 1) Both programs confirmed that the ground mounted antenna with a modest
> (20 1/8 wavelength radials) ground mounted radial system was about 2-3
> dB better than the 3 elevated radial version.
>
> 2) Both programs give different results for impedance
> Mman : 7.7 -j144
> 4Nec2: 16.9-j127
>
> 3) The measured results with my AEA CIA-HF analyzer are
> 28-j0
>
> If I lengthen the radials in the computer models to around 160-170 feet
> (from 132) the J component finally goes to zero. I have not tried this
> with the real antenna yet.
>
> Any ideas as to why the computer models are so far off? Especially the
> reactive part?All modeling and measurement is done at 1.825 MHz. Both
> programs are set for REAL GROUND
>
> Dave NR1DX
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
>

20927. AW: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 08:10:51 UTC
From: Siegfried Jackstien
Topic: 20912 Message: 20927

http://www.antennalaunchers.com/antlaunching.html

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von aa2id@...
> Gesendet: Freitag, 2. Dezember 2011 03:51
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] extended double zepp or loop comments
>
>
>
> don,
> your spud gun sounds interesting.
> do you have the instructions.
> I would like to make one that works like yours.
> I'm sure others would be interested as well.
>
> we all are looking for better ways of getting our antennas up or
> getting them up higher.
>
> thanks for telling us how you do it.
>
> Hal AA2ID
>
> -----Original Message-----
> From: goldtr8 <goldtr8@... <mailto:goldtr8%40charter.net> >
> To: ham-antennas <ham-antennas@...m <mailto:ham-
> antennas%40yahoogroups.com> >
> Sent: Thu, Dec 1, 2011 4:06 pm
> Subject: RE: AW: [ham-antennas] extended double zepp or loop comments
>
> HI Sigi,
>
> My spud gun is homemade out of PVC pipe. I finished it last weekend
> and
> it is very accurate shooting over branches. I pump it with a bicycle
> air pump. So now I have the means to get the wire at the maximum
> height that my trees will allow compared to only using a ladder with my
> first attempt.
>
> The spud gun shoots a pvc projectile, it is a cool unit, if I do say so
> myself. :-)
>
> ~73
> Don

> KD8NNU
>
> On Thu, Dec 1, 2011 at 12:59 PM, Siegfried Jackstien wrote:
>
> What spudgun do you use for that
> What are your findings? How accurate is shooting over branches?
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> >
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>
> ')>
> > [mailto: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> >
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>
> ')>
> >] Im Auftrag von goldtr8@charter.net <mailto:goldtr8%40charter.net>
> > <javascript:parent.wgMail.openComposeWindow('goldtr8@...
> <mailto:%27goldtr8%40charter.net> ')>
> > Gesendet: Donnerstag, 1. Dezember 2011 17:56 An:
> > ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> >
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>
> ')>
> > Betreff: [ham-antennas] extended double zepp or loop comments
> >
> >
> >
> > Gents,
> > I need to take the existing loop 160m loop down due to poor
> > performance from being to low to the ground (eariler posts regarding
> > my current state of affaris so we dont have to revist this).
> > Before I put it something up in the air again higher closer to
> between
> > 25 to 40 ft (based on trees) I took the existing loop and seperated
> > the sections, so its kinda like a large circle but now two seperate
> > lines no longer a loop. I checked the performance and it is similar
> to
> > the loop. I did this because it was just easy to do, as I wanted a
> > data point on comparision before the wire goes down.
> > Anyway, before I just go and restring a loop I am wondering if I
> > should try an extended double zep antenna. From my research it looks
> > like each leg would be about 340 ft long which I can manage to get in
> > the air between 25 to 40 ft in height (based on trees). However, I

> can
> > not get it in a straight line. I could make it into a U shape or lazy
> > S, for lack of a better description.
> > My only goal of this antenna is to try stuff that I can build myself
> > and the comparision will always be vs. my existing alpha delta dipole
> > at 30Ft high.
> > So if I can make something better than the dipole on some bands that
> > would be great. Currently I use the dipole on all bands as it has
> > trapps for 160 and 80 and multiple wires for the higher bands which
> is
> > why I am thinking the 340 foot for each leg (assuming I have my
> > calculations correct).
> > Cost is not an issue regarding this idea (I already have the wire)
> > only the time to spend taking the existing wire down and playing with
> > the spud gun to get it back up in the trees.
> > Please give me your thoughts, pro, con or otherwise.
> > ~73 Don KD8NNU
> > < http://docs.yahoo.com/info/terms/
> > <http://docs.yahoo.com/info/terms/> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> <http://docs.yahoo.com/info/terms/>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
>
>
>

20928. Re: AW: [ham-antennas] Mmana-GAI vs 4NEC2 VS reality

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 11:30:43 UTC
From: Artekmedia
Topic: 20917 Message: 20928

Sigi

Thanks for the insight about the L and the unequal radial currents, once i read that that it was so obvious. I had already increased the number of segments in both MMAna and 4NEC2 since computer power and memory are no longer a limitation

In hind site the "T" version would be a much better choice getting rid of the high angle radiation and while I have not measured any actual radial currents getting things balanced in a wooded environment would seem to be a challenge at best.

It is too late to do much more outside this year as we already have snow cover and the temperature at the moment is -12C. It is no longer any fun to "play" outside ..things to plan for next spring

One last question...You noted that Mmana is not accurate for horizontal wires near ground ...does 4NEC2 suffer the same limitation

Thanks again

Dave
NR1DX

On 12/2/2011 2:05 AM, Siegfried Jackstien wrote:
>
> Uups ... email went out accidently :-)
> Ok ...
> The engine can not handle low wires (close to ground) very accurate
> Next thing is ... you wrote you have 3 elevated radials?
> Not easy to have the same current in all the 3 legs ... I would
> increase the
> number .... did you measure current in the radials? I am guessing that
> they
> are not the same!!! ...
> If the currents are not the same the result is that the soft also
> calculates
> radiation from the elevated radials as nvis radiation ...
> What you are looking for is low angle dx ... right?!?
> So you have to have equal currents in the radials that they cancel each
> other in radiation and only the radiation from the vertical is left ...
> Problem here is that you have an inverted l and not a straight
> vertical ...
> You will have un-equal currents regardless what you do ... and so the
> radials will radiate half of your power straight up
> With a ground mounted inverted l it is a bit different ... there the only
> part that is radiating nvis is the horizontal part ...

> But most of your power is transmitted from the vertical radiator
> If you would make the horizontal part to 2 sides with equal length
> then only
> the vertical part would radiate cause the horizontal radiation of the
> now 2
> tophat legs would cancel the radiation from the other side (if you have
> equal currents in both tophat wires)...
>
> Increase dm1 and dm2 for better accuracy!!
>
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] Im
> > Auftrag von Artekmedia
> > Gesendet: Donnerstag, 1. Dezember 2011 23:02
> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Betreff: [ham-antennas] Mmana-GAl vs 4NEC2 VS reality
> >
> >
> >
> > OK thanks to the early postings and urging of various list memebers I
> > downloaded both MMAN-GAL and 4NEC2 antenna modeling programs.
> >
> > After a weeks of playing with both I have a slight preference for 4NEC
> > 2 but that is not what the post is about.
> >
> > I put up an inverted L for 160M at the new QTH as I have done at several
> > locations in the past. One difference given much play in the popular
> > literature in recent years is that a few elevated radials are better
> > than an extensive ground screen mounted at earth level. So I this L went
> > up with 3 radials about 10' above ground. The new antenna was much
> > harder to tune than I am used to ...long story no longer relevant Also I
> > found I was just not getting out like I was used to with my earlier
> > Ground mounted L's. (could be the fact that I now live in 160M black
> > hole called the upper mid-west...I was warned about this when moving
> > from NH) I began modeling things to see what was going on .
> >
> > I modeled the antenna using identical coordinates and dimensions in both
> > MMana and 4nec2. The results are as follows
> >
> > 1) Both programs confirmed that the ground mounted antenna with a modest
> > (20 1/8 wavelength radials) ground mounted radial system was about 2-3
> > dB better than the 3 elevated radial version.
> >
> > 2) Both programs give different results for impedance

> > Mman : 7.7 -j144
> > 4Nec2: 16.9-j127
> >
> > 3) The measured results with my AEA CIA-HF analyzer are
> > 28-j0
> >
> > If I lengthen the radials in the computer models to around 160-170 feet
> > (from 132) the J component finally goes to zero. I have not tried this
> > with the real antenna yet.
> >
> > Any ideas as to why the computer models are so far off? Especially the
> > reactive part?All modeling and measurement is done at 1.825 MHz. Both
> > programs are set for REAL GROUND
> >
> > Dave NR1DX
> >
> > --
> > Dave& Lynn Henderson
> > Manuals@... <mailto:Manuals%40ArtekMedia.com>
> <mailto:Manuals%40ArtekMedia.com>
> > www.Artekmedia.com
> > PO Box 175
> > Welch,MN 55089
> >
> >
> >
> >
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20929. Re: [ham-antennas] Unwanted A4 resonance shift

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 12:27:41 UTC
From: Ken
Topic: 20923 Message: 20929

Probably the antenna itself is not matched and the old coax was part of the tuned circuit. When you replaced the coax, you changed the tuning.

73,
Ken WA8JXM

On Dec 2, 2011, at 1:34 AM, nelson w wrote:

> For some months I have had an erratic SWR with my A4. I just ran a new coax feed and now have a different problem. On all four bands (I have the 40 meter add-on) the lowest SWR is higher in frequency than the top end of the bands. All I did now was connect the new coax and not change anything else. I have been using the antenna for a number of years and have always had good SWR's at the wanted frequencies prior to the intermittent SWR problem. The only thing that I can think of that could cause this situation is a change in element length but I can't see how that could happen. I can't figure how a new length of coax could cause this problem but clearly something has changed the resonances. It looks like I'll have to disconnect the coax at the antenna and check resonances at the feedpoint of the antenna. My tower is a tilt over and I need a calm day to tilt it and those days are not very frequent. I'd like to a good idea what to look for when I do have access to the antenna. Any thoughts?

20930. Re: [ham-antennas] Unwanted A4 resonance shift

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 14:48:59 UTC
From: Artekmedia
Topic: 20923 Message: 20930

Nelson

I had two A4's over the last 30 years (sold my last one about 10 years ago) neither had a 40M add on kit however.

The first thing I would do is reconnect the old coax and see if the problem reverts back to its original state or not.

The one problem I had over the years was with wasps and spiders building nests inside the traps which will result in the erratic SWR you were seeing to begin with. The problem can compound itself if you are running high power as the unwanted guests get carbonized and create carbon paths ruining the trap completely beyond simple cleaning and repair. I had one trap catch fire and melt . In the end I solved my problem by gluing small squares of screen wire over the 3 weep holes on the bottom side of all the traps.

The traps themselves are not that hard to disassemble and remove the outer cover from for cleaning and inspection

Good luck
Dave
NR1DX

On 12/2/2011 12:34 AM, nelson w wrote:
>
> For some months I have had an erratic SWR with my A4. I just ran a new
> coax feed and now have a different problem. On all four bands (I have
> the 40 meter add-on) the lowest SWR is higher in frequency than the
> top end of the bands. All I did now was connect the new coax and not
> change anything else. I have been using the antenna for a number of
> years and have always had good SWR's at the wanted frequencies prior
> to the intermittent SWR problem. The only thing that I can think of
> that could cause this situation is a change in element length but I
> can't see how that could happen. I can't figure how a new length of
> coax could cause this problem but clearly something has changed the
> resonances. It looks like I'll have to disconnect the coax at the
> antenna and check resonances at the feedpoint of the antenna. My tower
> is a tilt over and I need a calm day to tilt it and those days are not
> very frequent. I'd like to a good idea what to look for when I do have
> access to the antenna. Any thoughts?
>
> Nelson, K8DJC
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20931. G5RV vs dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 15:06:07 UTC
From: wa7dxz@aol.com
Topic: 20931 Message: 20931

Here is my situation.

I need an antenna to work MARS, basically 75 meters, and sometimes 40 meters.

I have already a 30 meter dipole, and a ten meter dipole, both of which work great.

I have been using a G5RV because it was shorter... 102 ft i could fit in my yard,,, more than that, I couldnt. And, I liked using coax into the shack, I can use it with my LDG auto tuner.

The G5RV doesn't work on 10 as well as my dipole, I guess that is expected. And, it doesn't like to tune up on 30 meters,,, takes a lot of tuning to get an acceptable match.

Would I be better off to go with a 102 foot doublet/dipole (lets not start that argument again) fed with twin lead or ladderline, and run it thru my "big" manual tuner? Tune it manually, ,,, would it perform better on "all bands" than the G5RV?

Also,,, the G5RV has something like 30 feet of 300 ohm lead coming from the top of it,,, I have a good length of 450 ohm line... can I simply tie my 450 line to the 300 ohm line, and run it into the shackj? Will there be any degradation mixing the two impedances,,, remember, Im going to go through a tuner anyway.

Many thanks,,,I want max performance with the antenna on 75, and 40 and maybe 30,,, I am rarely on the other bands. I could use the dipole on 75/40 with one rig, and run 10 and 30 with the separate tuned/resonant dipoles, on another rig.

Is it worth it, will I gain anything, by going to a 102 foot dipole rather than the G5RV, and can I mix the two impedance of lead in...
Bob wa7dxz Arizona

[Non-text portions of this message have been removed]

20932. Re: Inverted "L" Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 17:07:48 UTC
From: ffuhrer@elmore.rr.com
Topic: 20932 Message: 20932

Dan,
Are you more interested in making a working antenna more complicated, or using a design that WORKS? I've experimented with this antenna for over thirty years, and found that the original design is the best design. Put one up yourself, forget the antenna modeling software, and use it. See what the actual results are compared with a standard dipole cut for 160M, and at the same height. I was taught by the old school Elmer's of the 70's, no computers or antenna software back then, just cut and try. Antenna software is fine to begin the process with these days, but only by actually doing it is the proof. Just because part of the antenna is vertical doesn't mean that you have to cover your property with 200' or so of multiple ground radials. Besides, the exorbitant cost of copper or aluminum wire needed, multiple ground wires are a pesky problem when doing yard work. I once had to unwind about 100' of aluminum wire from my rider lawnmower after catching part of a 64 radial ground system (a real pain, besides the loss of a single ground wire that made absolutely no difference at the receiving station). After a point, you can only realize a minor improvement (if any) in received signal strength at the receiving station while using more than 24 ground radials under a vertical antenna. What does an eighth or a quarter of an "S" unit bring you? Not Much. The only thing that really matters is if I can hear you, and you can hear me. Forget the massive signal reports!

For those of you that have restricted space problems, the inverted "L" may be the only cost effective solution to get on "top band" or on 80M. Don't talk it to death, just get out and do it. Also, use a product like Oxyguard (available at most hardware stores, and electrical supply houses) to eliminate the chance of galvanic action between copper weld wire, copper, or aluminum connections. It will save you a big headache down the road when a bare wire combo goes bad. Works real good when you use a PL-259 on RG-6's foil and 40% aluminum braid shield wire. I haven't bought a wire dipole "off the shelf" in my whole time as an Amateur, as I build them with my own two hands. Get your antenna experience by doing it yourself.

The real pleasure is when I make good contacts off an antenna I home made myself (and saved a whole bunch of money doing it). At a recent Hamfest, I bought a box of 18 12" E.F. Johnson porcelain insulators for $10 - how can antenna building get any cheaper?
Regards,
Fred - W4FJF.

20933. Re: [ham-antennas] G5RV vs dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 17:49:44 UTC
From: Frank Kirschner
Topic: 20931 Message: 20933

Bob,

I don't know if this helps or not, but I have a 102-ft doublet like you're talking about. The only difference between it and a G5RV is that it has 100 ft of 450-ohm ladder line as a feed line which goes to a 9:1 balun and then the tuner, instead of 32 ft of ladder line and directly to the coax. (The tuner is the MFJ-998 1.5 KW autotuner, and there is only about three feet of coax between it and the rig, so losses aren't a problem.) It loads up fine on all bands from 80 to 6 except 15, which has a few "sweet spots" in the band where it will work. (As discussed in another thread, the SWR varies when it rains, so I'm going to try Scotch Guard on the feed line the next time I bring it down.) As an antenna, it works best on 20, but it's OK on the other bands. I load it up on 160 by tying the near ends of the ladder line together and using it as a T working against a set of ground radials.

The G5RV uses the ladder line as part of the antenna, so the pattern is difficult to predict. I would recommend using the 102-ft doublet with 450-ohm ladder line, a 9:1 balun (or you could try 4:1 - I found they both worked on the CW sub-bands the same), and your tuner. The SWR varies a great deal over each band (especially higher bands), but the tuner seems to take care of it, so MARS frequencies shouldn't be a problem

73,
Frank
KF6E.

On Fri, Dec 2, 2011 at 10:06 AM, <wa7dxz@...> wrote:

> **
>
>
> Here is my situation.
>
> I need an antenna to work MARS, basically 75 meters, and sometimes 40
> meters.
>
> I have already a 30 meter dipole, and a ten meter dipole, both of which
> work great.
>
> I have been using a G5RV because it was shorter... 102 ft i could fit in
> my
> yard,,, more than that, I couldnt. And, I liked using coax into the
> shack, I can use it with my LDG auto tuner.
>
> The G5RV doesn't work on 10 as well as my dipole, I guess that is

> expected. And, it doesn't like to tune up on 30 meters,,, takes a lot of
> tuning to
> get an acceptable match.
>
> Would I be better off to go with a 102 foot doublet/dipole (lets not
> start that argument again) fed with twin lead or ladderline, and run it
> thru
> my "big" manual tuner? Tune it manually, ,,, would it perform better on
> "all bands" than the G5RV?
>
> Also,,, the G5RV has something like 30 feet of 300 ohm lead coming from
> the
> top of it,,, I have a good length of 450 ohm line... can I simply tie my
> 450 line to the 300 ohm line, and run it into the shackj? Will there be
> any
> degradation mixing the two impedances,,, remember, Im going to go through
> a tuner anyway.
>
> Many thanks,,,I want max performance with the antenna on 75, and 40 and
> maybe 30,,, I am rarely on the other bands. I could use the dipole on
> 75/40 with one rig, and run 10 and 30 with the separate tuned/resonant
> dipoles, on another rig.
>
> Is it worth it, will I gain anything, by going to a 102 foot dipole rather
> than the G5RV, and can I mix the two impedance of lead in...
> Bob wa7dxz Arizona
>
>

[Non-text portions of this message have been removed]

20934. Re: [ham-antennas] Re: Inverted "L" Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 17:52:49 UTC
From: Ken
Topic: 20932 Message: 20934

Fred,

You are right, it is too easy to get caught up in the theory and forget that a lot can be accomplished with less than "perfect" antenna systems.

W0BTU has a very informative web page
http://w0btu.com/Optimum_number_of_ground_radials_vs_radial_length.html
Where he shows the difference between a perfect ground radial system and a much more simple approach. The difference in 1.6 wavelengths of buried radials vs 12 wavelengths is only 2 db, only a fraction of the typical QSB fade!

According to his webpage, going from 60 radials each 0.2 wavelength to 24 radials 0.125 wavelength only loses one db. It takes four times as much wire to gain just one db!

Even if you cut the 1.6 wavelengths in half, how much would one lose? Would it be noticeable for the typical QSO? Probably not. It is easy to obsess on the theory and miss the fun.

73,
Ken WA8JXM

On Dec 2, 2011, at 12:07 PM, <ffuhrer@...> <ffuhrer@...> wrote:

> Dan,
> Are you more interested in making a working antenna more complicated, or using a design that WORKS? I've experimented with this antenna for over thirty years, and found that the original design is the best design. Put one up yourself, forget the antenna modeling software, and use it. See what the actual results are compared with a standard dipole cut for 160M, and at the same height. I was taught by the old school Elmer's of the 70's, no computers or antenna software back then, just cut and try. Antenna software is fine to begin the process with these days, but only by actually doing it is the proof. Just because part of the antenna is vertical doesn't mean that you have to cover your property with 200' or so of multiple ground radials. Besides, the exorbitant cost of copper or aluminum wire needed, multiple ground wires are a pesky problem when doing yard work. I once had to unwind about 100' of aluminum wire from my rider lawnmower after catching part of a 64 radial ground system (a real pain, besides the loss of a single ground wire that made absolutely no difference at the receiving station). After a point, you can only realize a minor improvement (if any) in received signal strength at the receiving station while using more than 24 ground radials under a vertical antenna. What does an eighth or a quarter of an "S" unit bring you? Not Much. The only thing that really matters is if I can hear you, and you can hear me. Forget the massive signal reports!
>
> For those of you that have restricted space problems, the inverted "L" may be the only cost effective solution to get on "top band" or on 80M. Don't talk it to death, just get out and do it.

20935. Re: [ham-antennas] G5RV vs dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 18:09:51 UTC
From: wa7dxz@aol.com
Topic: 20931 Message: 20935

So you think i would need a balun PLUS my mfj 962B 1.5 kw tuner? I was
hoping the tuner would be enough to take care of it, it is a manual tuner,
not auto tuner... Bob

(http://groups.yahoo.com/;_ylc=X3oDMTJldDg4MWJqBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHN
wSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyMjg0ODE4
Ng--)
Switch to: _Text-Only_
(mailto:ham-antennas-traditional@yahoogroups.com?subject=Change Delivery Format:
Traditional) , _Daily Digest_
(mailto:ham-antennas-digest@yahoogroups.com?subject=Email Delivery: Digest) •
Unsubscribe (mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe) •
Terms of Use (http://docs.yahoo.com/info/terms/)

.

[Non-text portions of this message have been removed]

20936. Re: [ham-antennas] G5RV vs dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 18:22:13 UTC
From: Frank Kirschner
Topic: 20931 Message: 20936

Yes, I recommend the balun, although you might get by without it. The impedance of the doublet is fairly high across most ham bands, and the balun facilitates tuning. If you use a balanced tuner like the MFJ-976 or the old Johnson Matchbox, you wouldn't need the balun. The balun also helps eliminate RF in the shack. Frank

On Fri, Dec 2, 2011 at 1:09 PM, <wa7dxz@...> wrote:

> **
>
>
> So you think i would need a balun PLUS my mfj 962B 1.5 kw tuner? I was
> hoping the tuner would be enough to take care of it, it is a manual tuner,
> not auto tuner... Bob
>
>

[Non-text portions of this message have been removed]

20937. Re: [ham-antennas] Re: Inverted "L" Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 18:59:18 UTC
From: Dan Schaaf
Topic: 20932 Message: 20937

Fred
I did not say that your antenna does not work. I just suggested making it more efficient. Sure, you can make contacts with just about anything and say that it works great until you improve it and then say " this works FANTASTIC NOW ".
This has nothing to do with modelling on a PC. It is proven that more than 3 or 4 radials make a vertical more efficient. What was a good antenna for the military had to do with their mission. If they have a specific distance in mind, then what they develop satisfies that mission. If, however, you want tp work Austrailia from your QTH on a regular basis, you need to make it more efficient.
You can buy a roll of copper wire for peanuts. 30 radials @ 30 ft each is 900 ft and that is not expensive.
If the wires are stapled to the ground using garden staples, after one season, the wires are totally covered from grass clippings.
Look, I have a 5 band low band vertical in the middle of my yard and plenty of radials and never did 1 radial get cut by my tractor.
As I said earlier, an inveted L is a vertical and the horizontal wire at the top is top loading. Read ON4UN's Low band DXing book if you do not believe me. He is one of the leading authorities on low band antennas.
My antenna is home brew. Here it is http://k3zxl.com/Tower_Vertical/
And this antenna has worked teh world on all 5 bands , don't ask me what it cost.
An 1/8 or 1/4 S Unit means nothing if you are making QSOs across the USA. But when the QRN is high, every bit of S unit matters when you are DXing. And real DXing on 160 really requires a separate low noise receive antenna.
An S9 signal in S9+10 noise is really hard to copy.
An S2 signal in S9 noise is impossible to copy.
From reading your bio on QRZ.com, it appears that you are a rag chewer and do not quickly fall into the DXer catagory. In which case your inefficient vertical will do just fine.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: ffuhrer@...
To: ham-antennas@yahoogroups.com
Sent: Friday, December 02, 2011 12:07 PM
Subject: [ham-antennas] Re: Inverted "L" Question

Dan,
Are you more interested in making a working antenna more complicated, or using a design that WORKS? I've experimented with this antenna for over thirty years, and found that the original design is the best design. Put one up yourself, forget the antenna modeling

software, and use it. See what the actual results are compared with a standard dipole cut for 160M, and at the same height. I was taught by the old school Elmer's of the 70's, no computers or antenna software back then, just cut and try. Antenna software is fine to begin the process with these days, but only by actually doing it is the proof. Just because part of the antenna is vertical doesn't mean that you have to cover your property with 200' or so of multiple ground radials. Besides, the exorbitant cost of copper or aluminum wire needed, multiple ground wires are a pesky problem when doing yard work. I once had to unwind about 100' of aluminum wire from my rider lawnmower after catching part of a 64 radial ground system (a real pain, besides the loss of a single ground wire that made absolutely no difference at the receiving station). After a point, you can only realize a minor improvement (if any) in received signal strength at the receiving station while using more than 24 ground radials under a vertical antenna. What does an eighth or a quarter of an "S" unit bring you? Not Much. The only thing that really matters is if I can hear you, and you can hear me. Forget the massive signal reports!

For those of you that have restricted space problems, the inverted "L" may be the only cost effective solution to get on "top band" or on 80M. Don't talk it to death, just get out and do it. Also, use a product like Oxyguard (available at most hardware stores, and electrical supply houses) to eliminate the chance of galvanic action between copper weld wire, copper, or aluminum connections. It will save you a big headache down the road when a bare wire combo goes bad. Works real good when you use a PL-259 on RG-6's foil and 40% aluminum braid shield wire. I haven't bought a wire dipole "off the shelf" in my whole time as an Amateur, as I build them with my own two hands. Get your antenna experience by doing it yourself.

The real pleasure is when I make good contacts off an antenna I home made myself (and saved a whole bunch of money doing it). At a recent Hamfest, I bought a box of 18 12" E.F. Johnson porcelain insulators for $10 - how can antenna building get any cheaper?
Regards,
Fred - W4FJF.

[Non-text portions of this message have been removed]

20938. Re: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 20:50:10 UTC
From: Jay Jordan
Topic: 20912 Message: 20938

Try QST March 2009 page 67

I built one of these and I can achieve 150 ' + - fairly accurate but if at first you don't succeed take the projectile off , reel the line back in , and try it again - leaving the projectile on the line reeling it through the limbs and leaves , it will get hung up for sure !

Jay NX2C

---

don,
your spud gun sounds interesting.
do you have the instructions.
I would like to make one that works like yours.
I'm sure others would be interested as well.

we all are looking for better ways of getting our antennas up or
getting them up higher.

thanks for telling us how you do it.

Hal AA2ID

[Non-text portions of this message have been removed]

20939. Re: Inverted L Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 21:39:22 UTC
From: WO8J
Topic: 1887 Message: 20939

I have been using an inverted L as my main antenna for about four years. It goes 30' vertical and about 100' horizontal. I use a counterpoise rather than ground radials. It is 2 - 3 S units better than a 80 m dipole (open wire fed) at the same height.

It tunes 160 - 6 meters. I have worked New Zealand on CW on 40 meters - I couldn't even hear the signal on my dipole which favors that direction - it is not high enough to be much more than an NVIS at 80 & 40. I have feeding it at the base with an ICOM AH-4 and using a tuner at the rig. Could not tell the difference.

The vertical portion puts out more a low angle signal than the horizontal antenna. My yard is small, so it looks like a "U" when viewed from above. The counterpoise is 3 - 4 feet above the ground and is directly under the horizontal high portion of the antenna.

Just give it a shot. It is not a Yagi, but for me, it works better than the horizontal antennas that I have tried at the current QTH.

73,

Joe - WO8J

--- In ham-antennas@yahoogroups.com, "Marty Bluhm" <w8aks@...> wrote:
>
> I've been researching the possibility of putting up an inverted L in the
> next couple days (before the next snow fall - so much for early spring).
>
> Anyway, I have a clear branch in a willow tree approximately 29-30ft high. I
> have a pulley to hoist up an run wire through the pulley down to the ground
> terminating onto a ground rod with radials under it. The horitizonal part
> will be approximately 100 ft long.
>
> Now comes the question, in my researching in ARRL Wire Classics book and the
> web, all the inverted L's I find are all connected to a tower with a beam on
> top to provide a tophat effect. Has anybody did anything similar to what I
> am thinking about? If so, what was your results, etc. I'm thinking that
> maybe what I'm looking at is nothing more than a longwire that is bent at
> one end.
>
> Thanks for your input's in advance.
>
> 73
> Marty
> W8AKS
>

20940. Spud Guns

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-02 23:26:20 UTC
From: James
Topic: 20912 Message: 20940

Thoughts on spud gun use for launching antenna lines;

First, I've five operational spud guns and "host" an annual 4th of July contest for the "family and friends" at my home. Over the years, we've developed different types and preferences.

1) Aquanet using a piezo igniter design is common on the internet. The electric spark ignites the hair spray and forces the potato section out of the barrel at high velocity. Unfortunately it also has blow back through the ignitor and will eventually foul it... an unreliable mechanism. Electronic ignition can also be used, however it doesn't overcome the mixture problem.

2) Works ok with propane or map gas, but the mixture is hard to control consistently... unreliable.

3) Spud gun chamber can be pressurized with air through a Schrader via a bicycle pump. Trigger mechanism is a valve normally used for lawn sprinklers.. these are pretty cheap and can be actuated by hand or electric. Pumping up the chamber to 100lbs pressure with a bicycle pump will have you cursing if you miss your target! This is my favorite type of spud gun and my air compressor is used for the contest... all fun with little work.

4) A misadventure with a spud gun will put you into the hospital or worse. I've seen a potato go through one half inch plywood. We shoot using firearm safety rules.

5) Recommended type... the gun with using a Schrader valve, but you need a good air pump if operating away from home without an electric air compresssor.

6) What do I use to launch an antenna line... slingshot. Fires every time, very little maintenance needed. Paint the sinkers yellow, make sure the line is played out or the bale is open on the spinning reel. When hoisting, you'll have 3 lines... light monofilament tied to surveyor string, tied to the main support line. No fuss, no muss, no misfires or sore muscles.

73, Jim, K9JFK

--- In ham-antennas@yahoogroups.com, aa2id@... wrote:
>
> don,
> your spud gun sounds interesting.
> do you have the instructions.
> I would like to make one that works like yours.
> I'm sure others would be interested as well.
>
> we all are looking for better ways of getting our antennas up or
> getting them up higher.
>
> thanks for telling us how you do it.

>
> Hal AA2ID
>
>
>
> -----Original Message-----
> From: goldtr8 <goldtr8@...>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Thu, Dec 1, 2011 4:06 pm
> Subject: RE: AW: [ham-antennas] extended double zepp or loop comments
>
>
>
>
>
>
>
> HI Sigi,
>
> My spud gun is homemade out of PVC pipe. I finished it last weekend
> and
> it is very accurate shooting over branches. I pump it with a bicycle
> air pump. So now I have the means to get the wire at the maximum
> height that my trees will allow compared to only using a ladder with my
> first attempt.
>
> The spud gun shoots a pvc projectile, it is a cool unit, if I do say so
> myself. :-)
>
> ~73
> Don
> KD8NNU
>
> On Thu, Dec 1, 2011 at 12:59 PM, Siegfried Jackstien wrote:
>
> What spudgun do you use for that
> What are your findings? How accurate is shooting over branches?
> Dg9bfc
> Sigi
>
> > -----UrsprÃ¼ngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> >
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> ')>
> > [mailto: ham-antennas@yahoogroups.com
> >
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> ')>
> >] Im Auftrag von goldtr8@...
> > <javascript:parent.wgMail.openComposeWindow('goldtr8@...')>
> > Gesendet: Donnerstag, 1. Dezember 2011 17:56 An:

> > ham-antennas@yahoogroups.com
> >
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> ')>
> > Betreff: [ham-antennas] extended double zepp or loop comments
> >
> >
> >
> > Gents,
> > I need to take the existing loop 160m loop down due to poor
> > performance from being to low to the ground (eariler posts regarding
> > my current state of affaris so we dont have to revist this).
> > Before I put it something up in the air again higher closer to
> between
> > 25 to 40 ft (based on trees) I took the existing loop and seperated
> > the sections, so its kinda like a large circle but now two seperate
> > lines no longer a loop. I checked the performance and it is similar
> to
> > the loop. I did this because it was just easy to do, as I wanted a
> > data point on comparision before the wire goes down.
> > Anyway, before I just go and restring a loop I am wondering if I
> > should try an extended double zep antenna. From my research it looks
> > like each leg would be about 340 ft long which I can manage to get in
> > the air between 25 to 40 ft in height (based on trees). However, I
> can
> > not get it in a straight line. I could make it into a U shape or lazy
> > S, for lack of a better description.
> > My only goal of this antenna is to try stuff that I can build myself
> > and the comparision will always be vs. my existing alpha delta dipole
> > at 30Ft high.
> > So if I can make something better than the dipole on some bands that
> > would be great. Currently I use the dipole on all bands as it has
> > trapps for 160 and 80 and multiple wires for the higher bands which
> is
> > why I am thinking the 340 foot for each leg (assuming I have my
> > calculations correct).
> > Cost is not an issue regarding this idea (I already have the wire)
> > only the time to spend taking the existing wire down and playing with
> > the spud gun to get it back up in the trees.
> > Please give me your thoughts, pro, con or otherwise.
> > ~73 Don KD8NNU
> > < http://docs.yahoo.com/info/terms/
> > <http://docs.yahoo.com/info/terms/> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> <http://docs.yahoo.com/info/terms/>
> <http://docs.yahoo.com/info/terms/>

>
> [Non-text portions of this message have been removed]
>

20941. Re: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-03 00:33:39 UTC
From: goldtr8@charter.net
Topic: 20912 Message: 20941

I will post some info on my spud gun when I am on my other PC.

But is there any comments on the ZEPP idea. Good, bad, ugly, or who know until you try it.

Thanks
Don

~73
Don
KD8NNU

On 12/1/2011 11:56 AM, goldtr8@charter.net <javascript:parent.wgMail.openComposeWindow('goldtr8@...')> wrote:
>
>
> Gents,
> I need to take the existing loop 160m loop down due to poor performance from being to low to the ground (eariler posts regarding my current state of affaris so we dont have to revist this).
> Before I put it something up in the air again higher closer to between 25 to 40 ft (based on trees) I took the existing loop and seperated the sections, so its kinda like a large circle but now two seperate lines no longer a loop. I checked the performance and it is similar to the loop. I did this because it was just easy to do, as I wanted a data point on comparision before the wire goes down.
> Anyway, before I just go and restring a loop I am wondering if I should try an extended double zep antenna. From my research it looks like each leg would be about 340 ft long which I can manage to get in the air between 25 to 40 ft in height (based on trees). However, I can not get it in a straight line. I could make it into a U shape or lazy S, for lack of a better description.
> My only goal of this antenna is to try stuff that I can build myself and the comparision will always be vs. my existing alpha delta dipole at 30Ft high.
> So if I can make something better than the dipole on some bands that would be great. Currently I use the dipole on all bands as it has trapps for 160 and 80 and multiple wires for the higher bands which is why I am thinking the 340 foot for each leg (assuming I have my calculations correct).
> Cost is not an issue regarding this idea (I already have the wire) only the time to spend taking the existing wire down and playing with the spud gun to get it back up in the trees.
> Please give me your thoughts, pro, con or otherwise.
> ~73 Don KD8NNU

> < http://docs.yahoo.com/info/terms/
> <http://docs.yahoo.com/info/terms/> >
> [Non-text portions of this message have been removed]
>

--
Dave& Lynn Henderson
Manuals@...m
<javascript:parent.wgMail.openComposeWindow('Manuals@...')>
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20942. AW: AW: [ham-antennas] Mmana-GAl vs 4NEC2 VS reality

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-03 09:36:29 UTC
From: Siegfried Jackstien
Topic: 20917 Message: 20942

For the ground wires (or close to ground) ... as fas as I know 4nec2 uses
the same eng9ine internally ... so limitations should be the same
No wires in sharp angles (or use high numbers in dm1 and dm2 is a must!)
No wires close to ground ... yes elevated radial do work ... but not toooo
close to ground!
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Artekmedia
> Gesendet: Freitag, 2. Dezember 2011 11:31
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Mmana-GAl vs 4NEC2 VS reality
>
>
>
> Sigi
>
> Thanks for the insight about the L and the unequal radial currents, once
> i read that that it was so obvious. I had already increased the number
> of segments in both MMAna and 4NEC2 since computer power and memory are
> no longer a limitation
>
> In hind site the "T" version would be a much better choice getting rid
> of the high angle radiation and while I have not measured any actual
> radial currents getting things balanced in a wooded environment would
> seem to be a challenge at best.
>
> It is too late to do much more outside this year as we already have snow
> cover and the temperature at the moment is -12C. It is no longer any fun
> to "play" outside ..things to plan for next spring
>
> One last question...You noted that Mmana is not accurate for horizontal
> wires near ground ...does 4NEC2 suffer the same limitation
>
> Thanks again
>
> Dave
> NR1DX
>
> On 12/2/2011 2:05 AM, Siegfried Jackstien wrote:
> >
> > Uups ... email went out accidently :-)
> > Ok ...

> > The engine can not handle low wires (close to ground) very accurate
> > Next thing is ... you wrote you have 3 elevated radials?
> > Not easy to have the same current in all the 3 legs ... I would
> > increase the
> > number .... did you measure current in the radials? I am guessing that
> > they
> > are not the same!!! ...
> > If the currents are not the same the result is that the soft also
> > calculates
> > radiation from the elevated radials as nvis radiation ...
> > What you are looking for is low angle dx ... right?!?
> > So you have to have equal currents in the radials that they cancel each
> > other in radiation and only the radiation from the vertical is left ...
> > Problem here is that you have an inverted l and not a straight
> > vertical ...
> > You will have un-equal currents regardless what you do ... and so the
> > radials will radiate half of your power straight up
> > With a ground mounted inverted l it is a bit different ... there the
> only
> > part that is radiating nvis is the horizontal part ...
> > But most of your power is transmitted from the vertical radiator
> > If you would make the horizontal part to 2 sides with equal length
> > then only
> > the vertical part would radiate cause the horizontal radiation of the
> > now 2
> > tophat legs would cancel the radiation from the other side (if you have
> > equal currents in both tophat wires)...
> >
> > Increase dm1 and dm2 for better accuracy!!
> >
> > Dg9bfc
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>
> > [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>] Im
> > > Auftrag von Artekmedia
> > > Gesendet: Donnerstag, 1. Dezember 2011 23:02
> > > An: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> > > Betreff: [ham-antennas] Mmana-GAl vs 4NEC2 VS reality
> > >
> > >
> > >
> > > OK thanks to the early postings and urging of various list memebers I
> > > downloaded both MMAN-GAL and 4NEC2 antenna modeling programs.

> > >
> > > After a weeks of playing with both I have a slight preference for 4NEC
> > > 2 but that is not what the post is about.
> > >
> > > I put up an inverted L for 160M at the new QTH as I have done at
> several
> > > locations in the past. One difference given much play in the popular
> > > literature in recent years is that a few elevated radials are better
> > > than an extensive ground screen mounted at earth level. So I this L
> went
> > > up with 3 radials about 10' above ground. The new antenna was much
> > > harder to tune than I am used to ...long story no longer relevant Also
> I
> > > found I was just not getting out like I was used to with my earlier
> > > Ground mounted L's. (could be the fact that I now live in 160M black
> > > hole called the upper mid-west...I was warned about this when moving
> > > from NH) I began modeling things to see what was going on .
> > >
> > > I modeled the antenna using identical coordinates and dimensions in
> both
> > > MMana and 4nec2. The results are as follows
> > >
> > > 1) Both programs confirmed that the ground mounted antenna with a
> modest
> > > (20 1/8 wavelength radials) ground mounted radial system was about
> 2-3
> > > dB better than the 3 elevated radial version.
> > >
> > > 2) Both programs give different results for impedance
> > > Mman : 7.7 -j144
> > > 4Nec2: 16.9-j127
> > >
> > > 3) The measured results with my AEA CIA-HF analyzer are
> > > 28-j0
> > >
> > > If I lengthen the radials in the computer models to around 160-170
> feet
> > > (from 132) the J component finally goes to zero. I have not tried
> this
> > > with the real antenna yet.
> > >
> > > Any ideas as to why the computer models are so far off? Especially the
> > > reactive part?All modeling and measurement is done at 1.825 MHz. Both
> > > programs are set for REAL GROUND
> > >
> > > Dave NR1DX
> > >
> > > --
> > > Dave& Lynn Henderson
> > > Manuals@... <mailto:Manuals%40ArtekMedia.com>

> <mailto:Manuals%40ArtekMedia.com>
> > <mailto:Manuals%40ArtekMedia.com>
> > > www.Artekmedia.com
> > > PO Box 175
> > > Welch,MN 55089
> > >
> > >
> > >
> > >
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@ArtekMedia.com <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
>
>
>

20943. Re: [ham-antennas] Now Spud Gun was extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-03 13:46:47 UTC
From: goldtr8@charter.net
Topic: 20943 Message: 20943

Gents,

The below link is the inspiration for my spud gun. Mine is very similar to this design. The reason that mine is slightly different is that I started with some PVC that was laying around, plus something that was given to me. After I saw this link and watched the video, I built it and I am amazed on what 15 psi of air pressure can do from a bicycle pump. If you go higher, well don't be suprized. Also remember the pressure rating of the PVC when you pump it up.

http://www.joplin-arc.org/pages/antennalauncher.html

Now any comments on my zepp antenna idea? :-)

~73
Don
KD8NNU

On Thu, Dec 1, 2011 at 10:50 PM, aa2id@... wrote:

don,
your spud gun sounds interesting.
do you have the instructions.
I would like to make one that works like yours.
I'm sure others would be interested as well.

we all are looking for better ways of getting our antennas up or getting them up higher.

thanks for telling us how you do it.

Hal AA2ID

-----Original Message-----
From: goldtr8 < goldtr8@...
<javascript:parent.wgMail.openComposeWindow('goldtr8@...')> >
To: ham-antennas < ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>
Sent: Thu, Dec 1, 2011 4:06 pm
Subject: RE: AW: [ham-antennas] extended double zepp or loop comments

HI Sigi,

My spud gun is homemade out of PVC pipe. I finished it last weekend and

it is very accurate shooting over branches. I pump it with a bicycle
air pump. So now I have the means to get the wire at the maximum
height that my trees will allow compared to only using a ladder with my
first attempt.

The spud gun shoots a pvc projectile, it is a cool unit, if I do say so
myself. :-)

~73
Don
KD8NNU

On Thu, Dec 1, 2011 at 12:59 PM, Siegfried Jackstien wrote:

What spudgun do you use for that
What are your findings? How accurate is shooting over branches?
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<javascript:parent.wgMail.openComposeWindow(
'ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('\'ham-antennas@yahoogroups.com')>
')>
> [mailto: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<javascript:parent.wgMail.openComposeWindow(
'ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('\'ham-antennas@yahoogroups.com')>
')>
>] Im Auftrag von goldtr8@...
> <javascript:parent.wgMail.openComposeWindow('goldtr8@...')>
> <javascript:parent.wgMail.openComposeWindow('goldtr8@...
> <javascript:parent.wgMail.openComposeWindow('\'goldtr8@...')>
> ')> Gesendet: Donnerstag, 1. Dezember 2011 17:56 An:
> ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<javascript:parent.wgMail.openComposeWindow(
'ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('\'ham-antennas@yahoogroups.com')>
')>
> Betreff: [ham-antennas] extended double zepp or loop comments
>
>
> Gents, I need to take the existing loop 160m loop down due to poor
> performance from being to low to the ground (eariler posts regarding
> my current state of affaris so we dont have to revist this). Before I
> put it something up in the air again higher closer to
between
> 25 to 40 ft (based on trees) I took the existing loop and seperated

> the sections, so its kinda like a large circle but now two seperate
> lines no longer a loop. I checked the performance and it is similar
to
> the loop. I did this because it was just easy to do, as I wanted a
> data point on comparision before the wire goes down. Anyway, before I
> just go and restring a loop I am wondering if I should try an extended
> double zep antenna. From my research it looks like each leg would be
> about 340 ft long which I can manage to get in the air between 25 to
> 40 ft in height (based on trees). However, I
can
> not get it in a straight line. I could make it into a U shape or lazy
> S, for lack of a better description. My only goal of this antenna is
> to try stuff that I can build myself and the comparision will always
> be vs. my existing alpha delta dipole at 30Ft high. So if I can make
> something better than the dipole on some bands that would be great.
> Currently I use the dipole on all bands as it has trapps for 160 and
> 80 and multiple wires for the higher bands which
is
> why I am thinking the 340 foot for each leg (assuming I have my
> calculations correct). Cost is not an issue regarding this idea (I
> already have the wire) only the time to spend taking the existing wire
> down and playing with the spud gun to get it back up in the trees.
> Please give me your thoughts, pro, con or otherwise. ~73 Don KD8NNU <
> http://docs.yahoo.com/info/terms/ <http://docs.yahoo.com/info/terms/>
> < http://docs.yahoo.com/info/terms/
> <http://docs.yahoo.com/info/terms/> > > [Non-text portions of this
> message have been removed]
>
>

< http://docs.yahoo.com/info/terms/ <http://docs.yahoo.com/info/terms/>
>
< http://docs.yahoo.com/info/terms/ <http://docs.yahoo.com/info/terms/>
>

[Non-text portions of this message have been removed]

<http://docs.yahoo.com/info/terms/>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20944. Re: Dual Beam Pro Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-03 15:39:25 UTC
From: s.melton306@btinternet.com
Topic: 20857 Message: 20944

Dave,
Thank you for taking the time and effort to research and model and your views are respectfully noted. The actual measurements are 5 metres long with the end hats at 2.5 metres each.

As an M6 licence holder I am restriced to 10 watts, but usually use only 5 watts. I have a home made tower on the side of my garage that can get up to about 12 m high realistically and this has a Clansman centre balun straight through fed with about 15m of military coax and can get about 15 m of wire out from either side to each end of the garden. I am using a Flexradio 3000 with the internal Tuner.

My hopes are to build a better antenna to use on as many of the bands as possible and have also looked a home building a Cobweb. I also plan to sit the Intermediate stage exam within the next month, allowing the use of 50 watts, but again im just as happy using the 5 watts on my Flexradio 1500 with the LDG ZPro 2 with WSPR etc with 12m of wire in an inverted V with 1:1 balun like the following with quite good results.
http://www.iv3sbe.webfundis.net/html/Rybakov806.htm I know im never going to get 1 antenna to cover everything, but would like to use as much of the HF bands as possible.

Thanks again for your time and patience 73 Simon M6AQL

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Simon
>
> I have never actually seen one of these in the flesh so some of the
> comments that follow are purely conjectural after looking at the
> manufacturers literature on line
>
> 1) The name "beam" in the name is a bit misleading. The antenna is
> basically a shortened 40M dipole with capacitive hats for end loading.
>
> 2) The manufacturers specs are a bit vague on dimensions but playing
> around with the general geometry I came up with a computer model that is
> close dimensionally (I think) and when modeled at a height of 10 meters
> above average ground I get a feed point impedance of 50 ohms at 7MHz .
> This implies that the feed point balun is likely a standard 1:1 type balun.
>
> 3) The manufacturer claims that the antenna is only resonant at 7 MHz
> and that a tuner is required for the bands. The computer model confirms
> this and the mismatch is quite high on the other bands so I would keep
> my coax runs relatively short (20M or less) to minimize the coax
> losses due to SWR on the other bands. Either that or you will need a
> rather expensive remote ATU close to the antenna
>
> 4) The antenna patterns on 40M are as you would expect for any dipole

> the standard figure 8. Some of the other bands are quite interesting
> however and on 15M for example the end loadiung elements turn the
> antenna into quite a cloud warmer with over half of the energy going
> straight up :-)
>
>
> If it were me I would look for something other design to emulate. Tell
> us more about what your goals and limitations for an antenna are and
> maybe the group can give you some other ideas on another approach
>
> 73
> Dave
> NR1DX
>
>
>
>
>
> On 11/27/2011 6:17 AM, s.melton306@... wrote:
> >
> > Hi to All, I am new to the group and this is my 1st posting. I am
> > currently gathering together the bits required to home brew a Dual
> > Beam Pro Antenna, link pasted below. Please can anyone advise me on
> > the contents of the Transformer/Balun unit will be or a rough guess by
> > someone with a lot more experience than me. Currently getting stuck
> > into SDR in a big way and really enjoying it. My setup can be seen on
> > QRZ.com
> > http://www.proantennas.co.uk/dualbeampro.htm
> >
> > Thank you in advance for any thoughts or knowledge gained.
> >
> > Simon M6AQL
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
> [Non-text portions of this message have been removed]
>

20945. FW: Re: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 00:32:39 UTC
From: goldtr8@charter.net
Topic: 20945 Message: 20945

Well the spud gun worked awsome and I almost have the antenna finished.
Neighbors and wife both think I am nuts.

I have the antenna as two seperate wires right now with the middle
section high and ends both low at about 250 ft per leg. Its in a u
shape waiting to be finished tomorrow.

All signals below are in comparision with my aplha delta trapped dipole
at 35 ft.

So far just playing 160m nothing to compare with as no good signals
80m the wire is 2 to 3 s units
40 m its about 1 s unit less
20 m its about a wash
17 m its about 3 s units higher
15 m its about 2 s units higher
12 m its about the same
10 m its about 2 units lower.

The ends are real low right now but the rest of the antenna is between
30 to 40 ft high. I will be finishing tomorrow with the last 50 ft
section and tie the ends togehter. I guess I have decided that I want
the loop now.

~73
Don
KD8NNU

On 12/1/2011 11:56 AM, goldtr8@...
<javascript:parent.wgMail.openComposeWindow('goldtr8@...')>
wrote:
>
>
> Gents,
> I need to take the existing loop 160m loop down due to poor
> performance from being to low to the ground (eariler posts regarding
> my current state of affaris so we dont have to revist this).
> Before I put it something up in the air again higher closer to between
> 25 to 40 ft (based on trees) I took the existing loop and seperated
> the sections, so its kinda like a large circle but now two seperate
> lines no longer a loop. I checked the performance and it is similar to
> the loop. I did this because it was just easy to do, as I wanted a
> data point on comparision before the wire goes down.
> Anyway, before I just go and restring a loop I am wondering if I
> should try an extended double zep antenna. From my research it looks
> like each leg would be about 340 ft long which I can manage to get in

> the air between 25 to 40 ft in height (based on trees). However, I can
> not get it in a straight line. I could make it into a U shape or lazy
> S, for lack of a better description.
> My only goal of this antenna is to try stuff that I can build myself
> and the comparision will always be vs. my existing alpha delta dipole
> at 30Ft high.
> So if I can make something better than the dipole on some bands that
> would be great. Currently I use the dipole on all bands as it has
> trapps for 160 and 80 and multiple wires for the higher bands which is
> why I am thinking the 340 foot for each leg (assuming I have my
> calculations correct).
> Cost is not an issue regarding this idea (I already have the wire)
> only the time to spend taking the existing wire down and playing with
> the spud gun to get it back up in the trees.
> Please give me your thoughts, pro, con or otherwise.
> ~73 Don KD8NNU
> < http://docs.yahoo.com/info/terms/
> <http://docs.yahoo.com/info/terms/> >
> [Non-text portions of this message have been removed]
>

--
Dave& Lynn Henderson
Manuals@...
<javascript:parent.wgMail.openComposeWindow('Manuals@...')>
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20946. Re: G5RV vs dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 00:36:31 UTC
From: kd8dvy@ymail.com
Topic: 20931 Message: 20946

I have worked with both types of antennas but the one I love the best is the Doublet dipole. The thing about the doublet is that it needs to be 125-135'. The length does not have to be accurate. The room that your 102' G5RV is in is a good place to put up the doublet. What I mean is that you can bend the ends down as long as your end support is not metal.

Mine is 135' across the top along with 135' inverted V. So it is in a fan dipole configuration. The ladder line is about 100' +/- where it runs into the shack where it terminates into a 4:1 balun with a piece of coax that is about 3' long.

If you want to use your manual tuner that will work that is how I was set-up. I found that the doublet has high ohms and high swr but efficiency is 90-95%, so what ever tuner you use make sure that you have some kind of balun (4;1, 6;1, 9;1).

You should hear my QRP signal. I operate 10W (PEP) on SSB and 25W on PSK31.

Just get the antenna as high as you can. Try this website if it is not a link just copy and paste.

http://www.hamuniverse.com/hfdoublet.html

Harold/KD8DVY
SSB QRP is the bestest

20947. Re: Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 12:02:23 UTC
From: ffuhrer@elmore.rr.com
Topic: 20947 Message: 20947

Dan,
Can you really tell actually how efficient your inverted "L" antenna is? All the measurements in the world of Amateur Radio is based on "Relative SWR". Relative to what? Relative to so many variables that are too many to list here. That isotropic antenna based on a theory? A wire hung in free space that has no other effects on it? The isotropic antenna is definitely not a practical reference to measure your ground based antenna against. I never trust any gain measurements compared against an imaginary "ideal" antenna (as in DBI). And I approach any antenna based on the compared dipole earth based antenna with caution, as no Amateur antenna has a clear flat field with no obstructions within the measured area (which could be square miles in area). We all have obstructions we deal with daily that change constantly, from power poles, portable buildings, the number of cars in the yard to alkaline or acidic soil. Do you know exactly what your ground conductivity is from one day to the next? Is your ground based on ground level, or at the actual water table that changes constantly? From the morning dew on your roof and yard to the daytime dry conditions, so many variables that constantly change? The definitive book on antennas and radio propagation has never been printed, and probably never will. Haven't you seen your Relative SWR meter change from day to day, and time of each day? Nothing is constant.

When I tune an antenna, I never use SWR as an actual indication of its performance. I use reflected power as an indication of efficiency, as it is a much more accurate way of measuring antenna performance. I also use a field strength meter, and a compass to get an idea of what the antenna pattern really is. That is, if I really get curious about a new antenna I am trying out.

I used to be a big DX fiend, but when my job got me to moving around so much I gave the venerable DXCC Award up, as my moves were always more than 75 miles or more - therefore negating the QSL cards I collected for that award. Yet, I've probably had more DX contacts than you have (or at least equal to) over the more than thirty years I've been a Ham. Now that I've retired, I have a house on top a hill of iron bearing clay that gives me a better ground that I ever have had in all my life. I could put up a random length wire, and still have one of the strongest signals barefoot in the group I'm talking to at the time. This is no boast, its fact. Some ask what kind of Linear I'm running when I'm running a barefoot 80W. All my antennas are at 60', except a few NVIS antennas I use for Navy MARS (because of the rolloff this hill causes to the low incidence angle to the horizon).

I may enjoy ragchewing, but my "ragchewing" isn't limited to the CONUS, its worldwide. I am not a "contestor", because what do you learn by just exchanging call signs, contact number and signal strength? How do you make friends worldwide by that?

One last comment, have you priced antenna wire from the Wireman lately? It's not cheap at all when you are getting hundreds of feet at a time. Even common house wire has tripled since five years ago. Why are contractors using PVC pipe, rather than copper pipe lately? Copper flashing that once was normally used on roofs are now replaced by UV stabilized plastic sheeting 15 mils thick. Copper anything is not "cheap" anymore.

I've looked at antenna theory in the ARRL Antenna Book, understand it, but end up doing it my way. Book learning is fine, it gives you a point to start from, but practical experience beats it out any day. I'm not criticizing you in any way, but poking holes in what is generally accepted as THE Antenna Theory of today. In my considered opinion, the ARRL Antenna Book may be entirely correct at frequencies above VHF, but on H-F, MW, VLF, and low VHF it is just a good guideline to start from.

Best Regards,
Fred - W4FJF.

20948. Re: [ham-antennas] Re: Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 12:51:56 UTC
From: Ken
Topic: 20947 Message: 20948

On Dec 4, 2011, at 7:02 AM, <ffuhrer@...> <ffuhrer@...> wrote:

> I use reflected power as an indication of efficiency, as it is a much more accurate way of measuring antenna performance.

Reflected power has nothing to do with antenna performance. The only place where it shows efficiency is if you are using lossy feedline.

Take, for example, a center fed full wave antenna ("Two Half Waves in Phase") such as an 80m dipole fed with open wire on 40 or 20m. The SWR will be high, the reflected power will be high, but that reflected power goes right back up the feedline (assuming low loss open wire) and does not effect efficiency. In fact the Two Half Waves in Phase is a very efficient antenna as long as you have a tuner feeding the feedline.

Same thing for a Double Extended Zepp, high reflected power if you can measure it, but it goes right back to the antenna and has good performance.

Reflected power is NOT lost power unless you have lossy feedline.

73, Ken WA8JXM

20949. Re: [ham-antennas] Re: Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 13:13:17 UTC
From: Dan Schaaf
Topic: 20947 Message: 20949

Fred
The cost of wire :
It depends on what you want to achieve. If you want efficiency on a vertical antenna and Inverted L included, you have to buy radial wire. So you pay maybe $50 for a roll of wire. Big Deal ! It makes the antenna efficient which means you are not throwing wasted power into the ground or the coax.

While SWR is a measure of ratio of reflected power to forward power (Or Antenna Z to Coax Z), it is not an indicator of antenna efficiency. You can have a 1:1 SWR with one radial and an SWR of 1:1 with 100 radials. It has nothing to do with antenna efficiency. It has everything to do with the feedpoint impedance relative to the coax impedance.
You can read about it here http://en.wikipedia.org/wiki/Antenna_efficiency

A Vertical antenna feedpoint impedance with sufficient radials is 37 ohms. This can be measured with an MFJ-259B. SWR is :
50 ohms / Antenna Z. So, if antenna Z is 37 ohms (Ideal) then SWR is 1.35:1 at the resonant frequency of the antenna.

Now, if radials are few The Antenna Z is not 37 ohms and so the SWR is not 1.35:1 but higher. Now, you can fool yourself into thinking that the antenna is OK by trimming the antenna or adding to the antenna to get the SWR to your liking, but it is still ineffient. All you will have done is make the SWR meter think that the antenna is OK.

All of the practical experience means nothing if it does not agree with the math for making an efficient antenna.

I know, a lot of Old Timers seem very inclined to fall back on what they may have learned or thought from many years ago. And much of that info is still valid. I am an Old timer (63 years old and licensed in 1963) but I am not closed minded to up to date information on any subject, antennas included. A lot of work has been done over the years and it should not be ignored.

The nice thing about Antenna Modelling is that it does a great job of predicting how an antenna will perform before you start cutting wire or expensive aluminum tubing.

The ARRL antenna book and the ON4UN Low band DXing Book are the standards and a lot of practiical and theoretical work has gone into them. I have military manuals on antenna design and construction and the information is not different from the two books I just mentioned. In fact much of the modelling software originated for use by the military. Modelling will even tell you teh effect of other structures near the antenna under construction. That is not something you can figure out by practical experience. The model will tell you how the radiation pattern is affected by a nearby tower or some other metal structure.

I think it would be wise to keep an open mind on things . I have a friend who says “ If it was good enough for my grandfather, then it’s good enough for me “ and that makes my hair stand on end. He is as closed mnded and conservative as a person can get.

Dan Schaaf

==========
K3ZXL www.k3zxl.com
Cape Cod Instruments www.gnm-inc.com
NOBSKA www.nobska.net
==========

From: ffuhrer@...
Sent: Sunday, December 04, 2011 7:02 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Inverted "L" Antenna Question

Dan,
Can you really tell actually how efficient your inverted "L" antenna is? All the measurements in the world of Amateur Radio is based on "Relative SWR". Relative to what? Relative to so many variables that are too many to list here. That isotropic antenna based on a theory? A wire hung in free space that has no other effects on it? The isotropic antenna is definitely not a practical reference to measure your ground based antenna against. I never trust any gain measurements compared against an imaginary "ideal" antenna (as in DBI). And I approach any antenna based on the compared dipole earth based antenna with caution, as no Amateur antenna has a clear flat field with no obstructions within the measured area (which could be square miles in area). We all have obstructions we deal with daily that change constantly, from power poles, portable buildings, the number of cars in the yard to alkaline or acidic soil. Do you know exactly what your ground conductivity is from one day to the next? Is your ground based on ground level, or at the actual water table that changes constantly? From the morning dew on your roof and yard to the daytime dry conditions, so many variables that constantly change? The definitive book on antennas and radio propagation has never been printed, and probably never will. Haven't you seen your Relative SWR meter change from day to day, and time of each day? Nothing is constant.

When I tune an antenna, I never use SWR as an actual indication of its performance. I use reflected power as an indication of efficiency, as it is a much more accurate way of measuring antenna performance. I also use a field strength meter, and a compass to get an idea of what the antenna pattern really is. That is, if I really get curious about a new antenna I am trying out.

I used to be a big DX fiend, but when my job got me to moving around so much I gave the venerable DXCC Award up, as my moves were always more than 75 miles or more - therefore negating the QSL cards I collected for that award. Yet, I've probably had more DX contacts than you have (or at least equal to) over the more than thirty years I've been a Ham. Now that I've retired, I have a house on top a hill of iron bearing clay that gives me a better ground that I ever have had in all my life. I could put up a random length wire, and still have one of the strongest signals barefoot in the group I'm talking to at the time. This is no boast, its fact. Some ask what kind of Linear I'm running when I'm running a barefoot 80W. All my antennas are at 60', except a few NVIS antennas I use for Navy MARS (because of the rolloff this hill causes to the low incidence angle to the horizon).

I may enjoy ragchewing, but my "ragchewing" isn't limited to the CONUS, its worldwide. I am not a "contestor", because what do you learn by just exchanging call signs, contact number and signal strength? How do you make friends worldwide by that?

One last comment, have you priced antenna wire from the Wireman lately? It's not cheap at all when you are getting hundreds of feet at a time. Even common house wire has tripled since five years ago. Why are contractors using PVC pipe, rather than copper pipe lately? Copper flashing that once was normally used on roofs are now replaced by UV stabilized plastic sheeting 15 mils thick. Copper anything is not "cheap" anymore.

I've looked at antenna theory in the ARRL Antenna Book, understand it, but end up doing it my way. Book learning is fine, it gives you a point to start from, but practical experience beats it out any day. I'm not criticizing you in any way, but poking holes in what is generally accepted as THE Antenna Theory of today. In my considered opinion, the ARRL Antenna Book may be entirely correct at frequencies above VHF, but on H-F, MW, VLF, and low VHF it is just a good guideline to start from.

Best Regards,
Fred - W4FJF.

[Non-text portions of this message have been removed]

20950. Spud Guns

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 14:22:09 UTC
From: W1JCW
Topic: 20912 Message: 20950

I've had good luck with the old slingshot myself.

I use the a 1oz egg sinker and red mono line so I can see it easier too. Depending on the tree sometimes it's difficult to get the line to drop
within reach so spring or late fall is the best time to get this lines in the trees.

Good info the spudguns. I havent tried other forms of ignition...interesting.

73-
W1JCW
John

From: James
Sent: Friday, December 02, 2011 5:26 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Spud Guns

Thoughts on spud gun use for launching antenna lines;

First, I've five operational spud guns and "host" an annual 4th of July contest for the "family and friends" at my home. Over the years, we've developed different types and preferences.

1) Aquanet using a piezo igniter design is common on the internet. The electric spark ignites the hair spray and forces the potato section out of the barrel at high velocity. Unfortunately it also has blow back through the ignitor and will eventually foul it... an unreliable mechanism. Electronic ignition can also be used, however it doesn't overcome the mixture problem.

2) Works ok with propane or map gas, but the mixture is hard to control consistently... unreliable.

3) Spud gun chamber can be pressurized with air through a Schrader via a bicycle pump. Trigger mechanism is a valve normally used for lawn sprinklers.. these are pretty cheap and can be actuated by hand or electric. Pumping up the chamber to 100lbs pressure with a bicycle pump will have you cursing if you miss your target! This is my favorite type of spud gun and my air compressor is used for the contest... all fun with little work.

4) A misadventure with a spud gun will put you into the hospital or worse. I've seen a potato go through one half inch plywood. We shoot using firearm safety rules.

5) Recommended type... the gun with using a Schrader valve, but you need a good air pump if operating away from home without an electric air compresssor.

6) What do I use to launch an antenna line... slingshot. Fires every time, very little maintenance needed. Paint the sinkers yellow, make sure the line is played out or the bale is open on the spinning reel. When hoisting, you'll have 3 lines... light monofilament tied to surveyor string, tied to the main support line. No fuss, no muss, no misfires or sore

muscles.

73, Jim, K9JFK

[Non-text portions of this message have been removed]

20951. RE: [ham-antennas] Spud Guns

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 14:37:53 UTC
From: goldtr8@charter.net
Topic: 20912 Message: 20951

I used weed trimmer line as it is light and very thick. I did this to not have problems pulling the wire up thru the trees. Right now there are no leaves in the trees so it is fairly easy to pull thru.

One thing to remember if you determine that you do not like where the line went and are going to do a second shot remove your projectile from the line. It can get caught in branches and then you can not get it back down.

Also do not stand on your line when shooting as it makes a short shot.

At 40 PSI you can shoot high and far, so be safe.

Antenna is almost done and final form will be a loop.

~73
Don
KD8NNU

On Sun, Dec 4, 2011 at 9:22 AM, W1JCW wrote:

I've had good luck with the old slingshot myself.

I use the a 1oz egg sinker and red mono line so I can see it easier too. Depending on the tree sometimes it's difficult to get the line to drop within reach so spring or late fall is the best time to get this lines in the trees.

Good info the spudguns. I havent tried other forms of ignition...interesting.

73-
W1JCW
John

From: James
Sent: Friday, December 02, 2011 5:26 PM
To: ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
Subject: [ham-antennas] Spud Guns

Thoughts on spud gun use for launching antenna lines;

First, I've five operational spud guns and "host" an annual 4th of July contest for the "family and friends" at my home. Over the years, we've developed different types and preferences.

1) Aquanet using a piezo igniter design is common on the internet. The electric spark ignites the hair spray and forces the potato section out of the barrel at high velocity. Unfortunately it also has blow back through the ignitor and will eventually foul it... an unreliable mechanism. Electronic ignition can also be used, however it doesn't overcome the mixture problem.

2) Works ok with propane or map gas, but the mixture is hard to control consistently... unreliable.

3) Spud gun chamber can be pressurized with air through a Schrader via a bicycle pump. Trigger mechanism is a valve normally used for lawn sprinklers.. these are pretty cheap and can be actuated by hand or electric. Pumping up the chamber to 100lbs pressure with a bicycle pump will have you cursing if you miss your target! This is my favorite type of spud gun and my air compressor is used for the contest... all fun with little work.

4) A misadventure with a spud gun will put you into the hospital or worse. I've seen a potato go through one half inch plywood. We shoot using firearm safety rules.

5) Recommended type... the gun with using a Schrader valve, but you need a good air pump if operating away from home without an electric air compresssor.

6) What do I use to launch an antenna line... slingshot. Fires every time, very little maintenance needed. Paint the sinkers yellow, make sure the line is played out or the bale is open on the spinning reel. When hoisting, you'll have 3 lines... light monofilament tied to surveyor string, tied to the main support line. No fuss, no muss, no misfires or sore muscles.

73, Jim, K9JFK

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

20952. 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 14:58:51 UTC
From: lowpowerop
Topic: 20952 Message: 20952

Have a doublet and fed with 450 ladderline and trying to feed it into the shack. Ordered a couple of bulkheads from The Wireman to run this ladderline in. Will this ladderline radiate in my shack? Am I better off using a 4:1 balun on the outside and running coax to the inside?

20953. Re: [ham-antennas] 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 15:07:12 UTC
From: Artekmedia
Topic: 20952 Message: 20953

As long as the line is truly "balanced" there should be little or no
radiation in the shack

Dave
NR1DX
On 12/4/2011 8:58 AM, lowpowerop wrote:
>
> Have a doublet and fed with 450 ladderline and trying to feed it into
> the shack. Ordered a couple of bulkheads from The Wireman to run this
> ladderline in. Will this ladderline radiate in my shack? Am I better
> off using a 4:1 balun on the outside and running coax to the inside?
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20954. Re: 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 15:12:39 UTC
From: lowpowerop
Topic: 20952 Message: 20954

Dave,
how can I ensure that it is "balanced".
Thanks for your reply.

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> As long as the line is truly "balanced" there should be little or no
> radiation in the shack
>
>
> Dave
> NR1DX

20955. Ladder line help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 15:16:11 UTC
From: Anil 2
Topic: 20955 Message: 20955

Which is the best shop for ladder line 450 or 600 ohms ??

Anil VU2TRI

[Non-text portions of this message have been removed]

20956. Re: G5RV vs dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 15:25:21 UTC
From: Mike Rodgers
Topic: 20931 Message: 20956

My vote is for the dipole and ladderline.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

20957. Re: [ham-antennas] Re: 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 15:48:35 UTC
From: Ken Burchfield
Topic: 20952 Message: 20957

Perhaps, you would be interested in this hb meter
.http://users.tpg.com.au/users/ldbutler/Line_Bal_Test_Meter.htm
http://www.qsl.net/vk5br/
Several articles on His page.
There are other methods,one using #47 lamps and other lamps.
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: lowpowerop <lowpowerop@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 4, 2011 9:12 AM
Subject: [ham-antennas] Re: 450 Ohm Ladderline

Dave,
how can I ensure that it is "balanced".
Thanks for your reply.

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> As long as the line is truly "balanced" there should be little or no
> radiation in the shack
>
>
> Dave
> NR1DX

[Non-text portions of this message have been removed]

20958. RE: [ham-antennas] Spud Guns

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 16:13:51 UTC
From: Richard Schmuke
Topic: 20912 Message: 20958

This is just a option . I happen to also fish so I use a bass rod to launch a heavy weight over the trees. It might not work with a light weight Zebco reel and line but I use a stiff rod and a Abu Garcia baitcast reel with 50Lb test spider wire. It works good and was already here.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of goldtr8@...
Sent: Sunday, December 04, 2011 8:38 AM
To: ham-antennas@yahoogroups.com
Cc: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Spud Guns

I used weed trimmer line as it is light and very thick. I did this to not have problems pulling the wire up thru the trees. Right now there are no leaves in the trees so it is fairly easy to pull thru.

One thing to remember if you determine that you do not like where the line went and are going to do a second shot remove your projectile from the line. It can get caught in branches and then you can not get it back down.

Also do not stand on your line when shooting as it makes a short shot.

At 40 PSI you can shoot high and far, so be safe.

Antenna is almost done and final form will be a loop.

~73
Don
KD8NNU

On Sun, Dec 4, 2011 at 9:22 AM, W1JCW wrote:

I've had good luck with the old slingshot myself.

I use the a 1oz egg sinker and red mono line so I can see it easier too. Depending on the tree sometimes it's difficult to get the line to drop within reach so spring or late fall is the best time to get this lines in the trees.

Good info the spudguns. I havent tried other forms of ignition...interesting.

73-
W1JCW
John

From: James
Sent: Friday, December 02, 2011 5:26 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com> ')>
Subject: [ham-antennas] Spud Guns

Thoughts on spud gun use for launching antenna lines;

First, I've five operational spud guns and "host" an annual 4th of July contest for the "family and friends" at my home. Over the years, we've developed different types and preferences.

1) Aquanet using a piezo igniter design is common on the internet. The electric spark ignites the hair spray and forces the potato section out of the barrel at high velocity. Unfortunately it also has blow back through the ignitor and will eventually foul it... an unreliable mechanism. Electronic ignition can also be used, however it doesn't overcome the mixture problem.

2) Works ok with propane or map gas, but the mixture is hard to control consistently... unreliable.

3) Spud gun chamber can be pressurized with air through a Schrader via a bicycle pump. Trigger mechanism is a valve normally used for lawn sprinklers.. these are pretty cheap and can be actuated by hand or electric. Pumping up the chamber to 100lbs pressure with a bicycle pump will have you cursing if you miss your target! This is my favorite type of spud gun and my air compressor is used for the contest... all fun with little work.

4) A misadventure with a spud gun will put you into the hospital or worse. I've seen a potato go through one half inch plywood. We shoot using firearm safety rules.

5) Recommended type... the gun with using a Schrader valve, but you need a good air pump if operating away from home without an electric air compresssor.

6) What do I use to launch an antenna line... slingshot. Fires every time, very little maintenance needed. Paint the sinkers yellow, make sure the line is played out or the bale is open on the spinning reel. When hoisting, you'll have 3 lines... light monofilament tied to surveyor string, tied to the main support line. No fuss, no muss, no misfires or sore muscles.

73, Jim, K9JFK

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com> ')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20959. RE: [ham-antennas] 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 16:43:43 UTC
From: Richard Schmuke
Topic: 20952 Message: 20959

I have no problem with my doublet and as long as you have a balanced type antenna you should not have any RF problems with ladderline. I did have a little snag with my MFJ 962D tuner, it did not go down to 1:1 easily on all bands. So I made my own current balun and run about a foot of coax to my tuner. I also made my balun switchable from as a 1:1 or a 4:1, different bands worked better with one or the other. My balun is inside the shack by the way. You can get into changing ladderline length but the can get complex.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of lowpowerop
Sent: Sunday, December 04, 2011 8:59 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 450 Ohm Ladderline

Have a doublet and fed with 450 ladderline and trying to feed it into the shack. Ordered a couple of bulkheads from The Wireman to run this ladderline in. Will this ladderline radiate in my shack? Am I better off using a 4:1 balun on the outside and running coax to the inside?

[Non-text portions of this message have been removed]

20960. Re: [ham-antennas] Spud Guns

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 16:46:34 UTC
From: Artekmedia
Topic: 20912 Message: 20960

8' surf rod with an ancient Penn spinning reel (flea market special) ,
40 lb spider wire and 2 or 3 oz "bank sinkers". lighter than 2 oz wont
always pull the spider wire to the ground. heavier than 3oz is hard to
control for casting accuracy. easily good to 80'. Not where you wanted
it ? never and I mean never pull the sinker back through the tree 75% of
the time it gets caught. I tie a piece of pink florescent plant tie to
the bank sinker so I can see it better in the woods. Once over the tree
I pull parachute cord back through the tree with the spider wire then
use the parachute cord to pull heavy rope.

I find the idea of the spud gun for accuracy appealing maybe I'll put it
on my Xmas wish list some year . As one poster noted earlier there is
the potential for spud gun explosive accidents if not used properly.
Surf casting rods never explode but as noted above the unintended
consequence of trying to pull a fouled bank sinker from a tree can
result in a bank sinker coming back at you out of the tree at amazing
speed , fortunately I was wearing a hard hat ...now I never try to pull
sinkers back through only lines :-)

Dave
NR1DX

On 12/4/2011 10:13 AM, Richard Schmuke wrote:
>
> This is just a option . I happen to also fish so I use a bass rod to
> launch a heavy weight over the trees. It might not work with a light
> weight Zebco reel and line but I use a stiff rod and a Abu Garcia
> baitcast reel with 50Lb test spider wire. It works good and was
> already here.
>
> Rich , Kd0zz
>
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of
> goldtr8@... <mailto:goldtr8%40charter.net>
> Sent: Sunday, December 04, 2011 8:38 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Cc: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: RE: [ham-antennas] Spud Guns
>
> I used weed trimmer line as it is light and very thick. I did this to
> not have problems pulling the wire up thru the trees. Right now there
> are no leaves in the trees so it is fairly easy to pull thru.
>

> One thing to remember if you determine that you do not like where the
> line went and are going to do a second shot remove your projectile from
> the line. It can get caught in branches and then you can not get it
> back down.
>
> Also do not stand on your line when shooting as it makes a short shot.
>
> At 40 PSI you can shoot high and far, so be safe.
>
> Antenna is almost done and final form will be a loop.
>
> ~73
> Don
> KD8NNU
>
> On Sun, Dec 4, 2011 at 9:22 AM, W1JCW wrote:
>
> I've had good luck with the old slingshot myself.
>
> I use the a 1oz egg sinker and red mono line so I can see it easier too.
> Depending on the tree sometimes it's difficult to get the line to drop
> within reach so spring or late fall is the best time to get this lines
> in the trees.
>
> Good info the spudguns. I havent tried other forms of
> ignition...interesting.
>
> 73-
> W1JCW
> John
>
> From: James
> Sent: Friday, December 02, 2011 5:26 PM
> To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
> Subject: [ham-antennas] Spud Guns
>
> Thoughts on spud gun use for launching antenna lines;
>
> First, I've five operational spud guns and "host" an annual 4th of July
> contest for the "family and friends" at my home. Over the years, we've
> developed different types and preferences.
>
> 1) Aquanet using a piezo igniter design is common on the internet. The
> electric spark ignites the hair spray and forces the potato section out
> of the barrel at high velocity. Unfortunately it also has blow back

> through the ignitor and will eventually foul it... an unreliable
> mechanism. Electronic ignition can also be used, however it doesn't
> overcome the mixture problem.
>
> 2) Works ok with propane or map gas, but the mixture is hard to control
> consistently... unreliable.
>
> 3) Spud gun chamber can be pressurized with air through a Schrader via a
> bicycle pump. Trigger mechanism is a valve normally used for lawn
> sprinklers.. these are pretty cheap and can be actuated by hand or
> electric. Pumping up the chamber to 100lbs pressure with a bicycle pump
> will have you cursing if you miss your target! This is my favorite type
> of spud gun and my air compressor is used for the contest... all fun
> with little work.
>
> 4) A misadventure with a spud gun will put you into the hospital or
> worse. I've seen a potato go through one half inch plywood. We shoot
> using firearm safety rules.
>
> 5) Recommended type... the gun with using a Schrader valve, but you need
> a good air pump if operating away from home without an electric air
> compresssor.
>
> 6) What do I use to launch an antenna line... slingshot. Fires every
> time, very little maintenance needed. Paint the sinkers yellow, make
> sure the line is played out or the bale is open on the spinning reel.
> When hoisting, you'll have 3 lines... light monofilament tied to
> surveyor string, tied to the main support line. No fuss, no muss, no
> misfires or sore muscles.
>
> 73, Jim, K9JFK
>
> [Non-text portions of this message have been removed]
>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

20961. Re: [ham-antennas] Re: 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 16:53:50 UTC
From: Artekmedia
Topic: 20952 Message: 20961

You cant (easily) but in general keep it away (6" or more) from other objects especially metal objects..... generally not a problem.

You will know if you start getting RF burns or the florescent lights get brighter when you transmit if you have RF in the shack :-)

Dave
NR1DX

On 12/4/2011 9:12 AM, lowpowerop wrote:
>
> Dave,
> how can I ensure that it is "balanced".
> Thanks for your reply.
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Artekmedia <nr1dx@...> wrote:
> >
> > As long as the line is truly "balanced" there should be little or no
> > radiation in the shack
> >
> >
> > Dave
> > NR1DX
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20962. Re: [ham-antennas] Spud Guns

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 16:55:43 UTC
From: Joe
Topic: 20912 Message: 20962

I'll stick to my Bow and arrow. I use a fiberglass heavy "Arrow"
(electric fence post 1.4" diameter) some small nylon line.

Good shot and line is placed within inches of desired location.

no possible explosive injuries either

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 12/4/2011 10:46 AM, Artekmedia wrote:
> 8' surf rod with an ancient Penn spinning reel (flea market special) ,
> 40 lb spider wire and 2 or 3 oz "bank sinkers". lighter than 2 oz wont
> always pull the spider wire to the ground. heavier than 3oz is hard to
> control for casting accuracy. easily good to 80'. Not where you wanted
> it ? never and I mean never pull the sinker back through the tree 75% of
> the time it gets caught. I tie a piece of pink florescent plant tie to
> the bank sinker so I can see it better in the woods. Once over the tree
> I pull parachute cord back through the tree with the spider wire then
> use the parachute cord to pull heavy rope.
>
> I find the idea of the spud gun for accuracy appealing maybe I'll put it
> on my Xmas wish list some year . As one poster noted earlier there is
> the potential for spud gun explosive accidents if not used properly.
> Surf casting rods never explode but as noted above the unintended
> consequence of trying to pull a fouled bank sinker from a tree can
> result in a bank sinker coming back at you out of the tree at amazing
> speed , fortunately I was wearing a hard hat ...now I never try to pull
> sinkers back through only lines :-)
>
> Dave
> NR1DX
>
> On 12/4/2011 10:13 AM, Richard Schmuke wrote:
>> This is just a option . I happen to also fish so I use a bass rod to
>> launch a heavy weight over the trees. It might not work with a light
>> weight Zebco reel and line but I use a stiff rod and a Abu Garcia
>> baitcast reel with 50Lb test spider wire. It works good and was
>> already here.
>>
>> Rich , Kd0zz
>>

>> From: ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com>
>> [mailto:ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of
>> goldtr8@...<mailto:goldtr8%40charter.net>
>> Sent: Sunday, December 04, 2011 8:38 AM
>> To: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
>> Cc: ham-antennas@yahoogroups.com<mailto:ham-antennas%40yahoogroups.com>
>> Subject: RE: [ham-antennas] Spud Guns
>>
>> I used weed trimmer line as it is light and very thick. I did this to
>> not have problems pulling the wire up thru the trees. Right now there
>> are no leaves in the trees so it is fairly easy to pull thru.
>>
>> One thing to remember if you determine that you do not like where the
>> line went and are going to do a second shot remove your projectile from
>> the line. It can get caught in branches and then you can not get it
>> back down.
>>
>> Also do not stand on your line when shooting as it makes a short shot.
>>
>> At 40 PSI you can shoot high and far, so be safe.
>>
>> Antenna is almost done and final form will be a loop.
>>
>> ~73
>> Don
>> KD8NNU
>>
>> On Sun, Dec 4, 2011 at 9:22 AM, W1JCW wrote:
>>
>> I've had good luck with the old slingshot myself.
>>
>> I use the a 1oz egg sinker and red mono line so I can see it easier too.
>> Depending on the tree sometimes it's difficult to get the line to drop
>> within reach so spring or late fall is the best time to get this lines
>> in the trees.
>>
>> Good info the spudguns. I havent tried other forms of
>> ignition...interesting.
>>
>> 73-
>> W1JCW
>> John
>>
>> From: James
>> Sent: Friday, December 02, 2011 5:26 PM
>> To: ham-antennas@yahoogroups.com
>> <mailto:ham-antennas%40yahoogroups.com>
>> <mailto:ham-antennas%40yahoogroups.com>

>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
>> <mailto:%27ham-antennas%40yahoogroups.com>
>> <mailto:%27ham-antennas%40yahoogroups.com> ')>
>> Subject: [ham-antennas] Spud Guns
>>
>> Thoughts on spud gun use for launching antenna lines;
>>
>> First, I've five operational spud guns and "host" an annual 4th of July
>> contest for the "family and friends" at my home. Over the years, we've
>> developed different types and preferences.
>>
>> 1) Aquanet using a piezo igniter design is common on the internet. The
>> electric spark ignites the hair spray and forces the potato section out
>> of the barrel at high velocity. Unfortunately it also has blow back
>> through the ignitor and will eventually foul it... an unreliable
>> mechanism. Electronic ignition can also be used, however it doesn't
>> overcome the mixture problem.
>>
>> 2) Works ok with propane or map gas, but the mixture is hard to control
>> consistently... unreliable.
>>
>> 3) Spud gun chamber can be pressurized with air through a Schrader via a
>> bicycle pump. Trigger mechanism is a valve normally used for lawn
>> sprinklers.. these are pretty cheap and can be actuated by hand or
>> electric. Pumping up the chamber to 100lbs pressure with a bicycle pump
>> will have you cursing if you miss your target! This is my favorite type
>> of spud gun and my air compressor is used for the contest... all fun
>> with little work.
>>
>> 4) A misadventure with a spud gun will put you into the hospital or
>> worse. I've seen a potato go through one half inch plywood. We shoot
>> using firearm safety rules.
>>
>> 5) Recommended type... the gun with using a Schrader valve, but you need
>> a good air pump if operating away from home without an electric air
>> compresssor.
>>
>> 6) What do I use to launch an antenna line... slingshot. Fires every
>> time, very little maintenance needed. Paint the sinkers yellow, make
>> sure the line is played out or the bale is open on the spinning reel.
>> When hoisting, you'll have 3 lines... light monofilament tied to
>> surveyor string, tied to the main support line. No fuss, no muss, no
>> misfires or sore muscles.
>>
>> 73, Jim, K9JFK
>>
>> [Non-text portions of this message have been removed]
>>
>> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
>> <mailto:%27ham-antennas%40yahoogroups.com>

>> <mailto:%27ham-antennas%40yahoogroups.com> ')>
>> <http://docs.yahoo.com/info/terms/>
>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>

[Non-text portions of this message have been removed]

20963. Re: Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 17:32:32 UTC
From: fred
Topic: 20947 Message: 20963

three years ago I had to replace the copper dipole and had sticker shock when I saw the price . looked at the 1/16 " galvanize lift cable and at 10 cents per foot I tried it . with 102 feet of wire and clamps it was about 12.00 dollars for everything . put it up the next day and am still using it with no problems . another bonus , if you live in an area with antenna gestapo it is almost invisible after it has been up for awhile . it turns a dull grey colour . don't use end insulators and hide the centre insulator and 450 ohm line in a tree .
had mine in the back yard and no one ever noticed it .
kd5pnt

--- In ham-antennas@yahoogroups.com, <ffuhrer@...> wrote:
>
> Dan,
> Can you really tell actually how efficient your inverted "L" antenna is? All the measurements in the world of Amateur Radio is based on "Relative SWR". Relative to what? Relative to so many variables that are too many to list here. That isotropic antenna based on a theory? A wire hung in free space that has no other effects on it? The isotropic antenna is definitely not a practical reference to measure your ground based antenna against. I never trust any gain measurements compared against an imaginary "ideal" antenna (as in DBI). And I approach any antenna based on the compared dipole earth based antenna with caution, as no Amateur antenna has a clear flat field with no obstructions within the measured area (which could be square miles in area). We all have obstructions we deal with daily that change constantly, from power poles, portable buildings, the number of cars in the yard to alkaline or acidic soil. Do you know exactly what your ground conductivity is from one day to the next? Is your ground based on ground level, or at the actual water table that changes constantly? From the morning dew on your roof and yard to the daytime dry conditions, so many variables that constantly change? The definitive book on antennas and radio propagation has never been printed, and probably never will. Haven't you seen your Relative SWR meter change from day to day, and time of each day? Nothing is constant.
>
> When I tune an antenna, I never use SWR as an actual indication of its performance. I use reflected power as an indication of efficiency, as it is a much more accurate way of measuring antenna performance. I also use a field strength meter, and a compass to get an idea of what the antenna pattern really is. That is, if I really get curious about a new antenna I am trying out.
>
> I used to be a big DX fiend, but when my job got me to moving around so much I gave the venerable DXCC Award up, as my moves were always more than 75 miles or more - therefore negating the QSL cards I collected for that award. Yet, I've probably had more DX contacts than you have (or at least equal to) over the more than thirty years I've been a Ham. Now that I've retired, I have a house on top a hill of iron bearing clay that gives me a better ground that I ever have had in all my life. I could put up a random length wire, and still have one of the strongest signals barefoot in the group I'm talking to at the time. This is no boast, its fact. Some ask what kind of Linear I'm running when I'm running a barefoot 80W. All my antennas are at 60', except a few NVIS antennas I use for Navy MARS (because of

the rolloff this hill causes to the low incidence angle to the horizon).
>
> I may enjoy ragchewing, but my "ragchewing" isn't limited to the CONUS, its worldwide. I am not a "contestor", because what do you learn by just exchanging call signs, contact number and signal strength? How do you make friends worldwide by that?
>
> One last comment, have you priced antenna wire from the Wireman lately? It's not cheap at all when you are getting hundreds of feet at a time. Even common house wire has tripled since five years ago. Why are contractors using PVC pipe, rather than copper pipe lately? Copper flashing that once was normally used on roofs are now replaced by UV stabilized plastic sheeting 15 mils thick. Copper anything is not "cheap" anymore.
>
> I've looked at antenna theory in the ARRL Antenna Book, understand it, but end up doing it my way. Book learning is fine, it gives you a point to start from, but practical experience beats it out any day. I'm not criticizing you in any way, but poking holes in what is generally accepted as THE Antenna Theory of today. In my considered opinion, the ARRL Antenna Book may be entirely correct at frequencies above VHF, but on H-F, MW, VLF, and low VHF it is just a good guideline to start from.
>
> Best Regards,
> Fred - W4FJF.
>

20964. Re: [ham-antennas] Re: Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 17:41:51 UTC
From: Ken
Topic: 20947 Message: 20964

The Wireman has #18 copper clad for $6/100' and #12 solid copper harddrawn wire for $15/100. You can go to Lowe's and get a 500' spool of #18 stranded, insulated wire for $50.

I bought a 500' spool of the #18 copper clad and it's been good wire.

I don't know where you have been looking, but I sure wouldn't use steel cable for antenna wire to save a very few dollars.

Ken WA8JXM

On Dec 4, 2011, at 12:32 PM, fred wrote:

> three years ago I had to replace the copper dipole and had sticker shock when I saw the price .

20965. Re: [ham-antennas] Re: Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 18:12:51 UTC
From: standing eight
Topic: 20947 Message: 20965

i like the insulated wire it cuts down on the noise

From: Ken <wa8jxm@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 4, 2011 11:41 AM
Subject: Re: [ham-antennas] Re: Inverted "L" Antenna Question

The Wireman has #18 copper clad for $6/100' and #12 solid copper harddrawn wire for $15/100. You can go to Lowe's and get a 500' spool of #18 stranded, insulated wire for $50.

I bought a 500' spool of the #18 copper clad and it's been good wire.

I don't know where you have been looking, but I sure wouldn't use steel cable for antenna wire to save a very few dollars.

Ken WA8JXM

On Dec 4, 2011, at 12:32 PM, fred wrote:

> three years ago I had to replace the copper dipole and had sticker shock when I saw the price .

[Non-text portions of this message have been removed]

20966. Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 18:17:19 UTC
From: Thomas F. Giella
Topic: 20947 Message: 20966

Dan check out my web page 160 Meter Linear Loaded Tee Vertical/Doublet Antenna By NZ4O at http://www.wcflunatall.com/nz4o9.htm . It may answer your question about antenna efficiency.

73 & GUD DX,
Thomas F. Giella, NZ4O
Lakeland, FL, USA
nz4o@...

NZ4O Amateur & SWL Autobiography: http://www.nz4o.org

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 111204-0, 12/04/2011
Tested on: 12/4/2011 1:17:20 PM
avast! - copyright (c) 1988-2011 AVAST Software.
http://www.avast.com

20967. Re: [ham-antennas] Re: binary, hex, octal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 19:06:41 UTC
From: Timothy-Allen Albertson
Topic: 20875 Message: 20967

i am a litle dense could someone explain this to me

Tim KD0OIA

On Mon, Nov 28, 2011 at 7:52 PM, Neil <kj6fba@...> wrote:

> **
>
>
> VERY clever - Thanks!
>
> Neil Bell, KJ6FBA
>
>
> --- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
> >
> > There are 10 kinds of people in the world...those who understand binary
> and
> > those who don't.
> >
> >
> > 49/11/01001001/73/LXXIII,
> > Brian KA9EGW
> >
>
>
>

--
73 DE TIM KD∅OIA

[Non-text portions of this message have been removed]

20968. Re: [ham-antennas] Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 19:17:47 UTC
From: Dan Schaaf
Topic: 20947 Message: 20968

Thomas, was this meant for me ? I do not have any questions about antenna efficiency, but nice article anyway. Linear Loading is a nice way to go for shortened verticals.
BTW, my background has been in Oceanographic Instrumentation for a number of years.
I would be interested in what you do and you can email me off list.
My antenna is described at http://k3zxl.com/Tower_Vertical/

Dan Schaaf

==========
K3ZXL www.k3zxl.com
Cape Cod Instruments www.gnm-inc.com
NOBSKA www.nobska.net
==========
-----Original Message-----
From: Thomas F. Giella
Sent: Sunday, December 04, 2011 1:17 PM
To: a ham antennas @ Yahoo
Subject: [ham-antennas] Inverted "L" Antenna Question

Dan check out my web page 160 Meter Linear Loaded Tee Vertical/Doublet Antenna By NZ4O at http://www.wcflunatall.com/nz4o9.htm . It may answer your question about antenna efficiency.

73 & GUD DX,
Thomas F. Giella, NZ4O
Lakeland, FL, USA
nz4o@...

NZ4O Amateur & SWL Autobiography: http://www.nz4o.org

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 111204-0, 12/04/2011
Tested on: 12/4/2011 1:17:20 PM
avast! - copyright (c) 1988-2011 AVAST Software.
http://www.avast.com

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

20969. Re: [ham-antennas] Re: binary, hex, octal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 20:14:55 UTC
From: dean
Topic: 20875 Message: 20969

binary is a form of zero’s and ones. You count from the right to the left. First number is either 1 or 0. Then you just double the number as you go to the left. Its really interesting and when I did assembly language programing I used it a lot.

So 10 in binary is 2.

73, WY6L

From: Timothy-Allen Albertson
Sent: Sunday, December 04, 2011 11:06 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: binary, hex, octal

i am a litle dense could someone explain this to me

Tim KD0OIA

On Mon, Nov 28, 2011 at 7:52 PM, Neil <mailto:kj6fba%40arrl.net> wrote:

> **
>
>
> VERY clever - Thanks!
>
> Neil Bell, KJ6FBA
>
>
> --- In mailto:ham-antennas%40yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
> >
> > There are 10 kinds of people in the world...those who understand binary
> and
> > those who don't.
> >
> >
> > 49/11/01001001/73/LXXIII,
> > Brian KA9EGW
> >
>
>
>

--
73 DE TIM KDØOIA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20970. Re: [ham-antennas] Re: binary, hex, octal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 21:20:10 UTC
From: Timothy-Allen Albertson
Topic: 20875 Message: 20970

tnx now i got it

73 KD0OIA

On Sun, Dec 4, 2011 at 2:14 PM, dean <deanf@sti.net> wrote:

> **
>
>
> binary is a form of zero’s and ones. You count from the right to the left.
> First number is either 1 or 0. Then you just double the number as you go to
> the left. Its really interesting and when I did assembly language
> programing I used it a lot.
>
> So 10 in binary is 2.
>
> 73, WY6L
>
> From: Timothy-Allen Albertson
> Sent: Sunday, December 04, 2011 11:06 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: binary, hex, octal
>
>
> i am a litle dense could someone explain this to me
>
> Tim KD0OIA
>
> On Mon, Nov 28, 2011 at 7:52 PM, Neil <mailto:kj6fba%40arrl.net> wrote:
>
> > **
>
> > >
> > >
> > > VERY clever - Thanks!
> > >
> > > Neil Bell, KJ6FBA
> > >
> > >
> > > --- In mailto:ham-antennas%40yahoogroups.com, "KA9EGW" <ka9egw@...>
> wrote:
> > > >
> > > > There are 10 kinds of people in the world...those who understand binary
> > and
> > > > those who don't.

> > >
> > >
> > > 49/11/01001001/73/LXXIII,
> > > Brian KA9EGW
> > >
> >
> >
> >
>
> --
> 73 DE TIM KD∅OIA
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

--
73 DE TIM KD∅OIA

[Non-text portions of this message have been removed]

20971. Re: [ham-antennas] Re: binary, hex, octal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-04 23:10:15 UTC
From: Ken
Topic: 20875 Message: 20971

You are in the second category, "those who don't" ;-)

Ken

On Dec 4, 2011, at 2:06 PM, Timothy-Allen Albertson wrote:

> i am a litle dense could someone explain this to me
>
> Tim KD0OIA
>
> On Mon, Nov 28, 2011 at 7:52 PM, Neil <kj6fba@...> wrote:
>
>> **
>>
>>
>> VERY clever - Thanks!
>>
>> Neil Bell, KJ6FBA
>>
>>
>> --- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
>>>
>>> There are 10 kinds of people in the world...those who understand binary
>> and
>>> those who don't.
>>>
>>>
>>> 49/11/01001001/73/LXXIII,
>>> Brian KA9EGW
>>>
>>
>>
>>
>

20972. Re: [ham-antennas] Re: binary, hex, octal

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 00:11:57 UTC
From: Timothy-Allen Albertson
Topic: 20875 Message: 20972

i am no longer it was explained to me
tnx tim KD0OIA

On Sun, Dec 4, 2011 at 5:10 PM, Ken <wa8jxm@...> wrote:

> **
>
>
> You are in the second category, "those who don't" ;-)
>
> Ken
>
>
> On Dec 4, 2011, at 2:06 PM, Timothy-Allen Albertson wrote:
>
> > i am a litle dense could someone explain this to me
> > >
> > > Tim KD0OIA
> > >
> > > On Mon, Nov 28, 2011 at 7:52 PM, Neil <kj6fba@...> wrote:
> > >
> > >> **
> >
> > >>
> > >>
> > >> VERY clever - Thanks!
> > >>
> > >> Neil Bell, KJ6FBA
> > >>
> > >>
> > >> --- In ham-antennas@yahoogroups.com, "KA9EGW" <ka9egw@...> wrote:
> > >>>
> > >>> There are 10 kinds of people in the world...those who understand binary
> > >> and
> > >>> those who don't.
> > >>>
> > >>>
> > >>> 49/11/01001001/73/LXXIII,
> > >>> Brian KA9EGW
> > >>>
> > >>
> > >>
> > >>
> > >>
> > > >
> >

>
>

--
73 DE TIM KD∅OIA

[Non-text portions of this message have been removed]

20973. Re: 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 00:45:02 UTC
From: Mike Rodgers
Topic: 20952 Message: 20973

I run 300 ohm into the shack but mostly qrp, occasionally 100w and used to run 500 with no problems.
It probally depends on a lot of things.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

20974. Re: [ham-antennas] 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 02:42:40 UTC
From: Don.Riedel@gmail.com
Topic: 20952 Message: 20974

Just reading this terrific paper on basic antenna knowledge and if you
read the first paragraph on page #21 about half way through that paragraph
you will find a wonderful answer to your question!
http://www.hamuniverse.com/n4jaantennabook.html

Don KC0GMF

On Sun, Dec 4, 2011 at 8:58 AM, lowpowerop <lowpowerop@...> wrote:

> **
>
>
> Have a doublet and fed with 450 ladderline and trying to feed it into the
> shack. Ordered a couple of bulkheads from The Wireman to run this
> ladderline in. Will this ladderline radiate in my shack? Am I better off
> using a 4:1 balun on the outside and running coax to the inside?
>
>
>

[Non-text portions of this message have been removed]

20975. Re: [ham-antennas] 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 03:00:19 UTC
From: wa7dxz@aol.com
Topic: 20952 Message: 20975

Outstanding article, every ham should read this.

http://www.hamuniverse.com/n4jaantennabook.html

[Non-text portions of this message have been removed]

20976. Re: [ham-antennas] Spud Guns

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 05:55:23 UTC
From: Larry Tooley
Topic: 20912 Message: 20976

I know my suggestion isn't antennas. Sorry. But with a toilet tissue roll spud gun adaptor, you can have a ball on hollidays
----- Original Message -----
From: Artekmedia
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 04, 2011 10:46 AM
Subject: Re: [ham-antennas] Spud Guns

8' surf rod with an ancient Penn spinning reel (flea market special) , 40 lb spider wire and 2 or 3 oz "bank sinkers". lighter than 2 oz wont always pull the spider wire to the ground. heavier than 3oz is hard to control for casting accuracy. easily good to 80'. Not where you wanted it ? never and I mean never pull the sinker back through the tree 75% of the time it gets caught. I tie a piece of pink florescent plant tie to the bank sinker so I can see it better in the woods. Once over the tree I pull parachute cord back through the tree with the spider wire then use the parachute cord to pull heavy rope.

I find the idea of the spud gun for accuracy appealing maybe I'll put it on my Xmas wish list some year . As one poster noted earlier there is the potential for spud gun explosive accidents if not used properly. Surf casting rods never explode but as noted above the unintended consequence of trying to pull a fouled bank sinker from a tree can result in a bank sinker coming back at you out of the tree at amazing speed , fortunately I was wearing a hard hat ...now I never try to pull sinkers back through only lines :-)

Dave
NR1DX

On 12/4/2011 10:13 AM, Richard Schmuke wrote:
>
> This is just a option . I happen to also fish so I use a bass rod to
> launch a heavy weight over the trees. It might not work with a light
> weight Zebco reel and line but I use a stiff rod and a Abu Garcia
> baitcast reel with 50Lb test spider wire. It works good and was
> already here.
>
> Rich , Kd0zz
>
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of
> goldtr8@... <mailto:goldtr8%40charter.net>
> Sent: Sunday, December 04, 2011 8:38 AM

> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Cc: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: RE: [ham-antennas] Spud Guns
>
> I used weed trimmer line as it is light and very thick. I did this to
> not have problems pulling the wire up thru the trees. Right now there
> are no leaves in the trees so it is fairly easy to pull thru.
>
> One thing to remember if you determine that you do not like where the
> line went and are going to do a second shot remove your projectile from
> the line. It can get caught in branches and then you can not get it
> back down.
>
> Also do not stand on your line when shooting as it makes a short shot.
>
> At 40 PSI you can shoot high and far, so be safe.
>
> Antenna is almost done and final form will be a loop.
>
> ~73
> Don
> KD8NNU
>
> On Sun, Dec 4, 2011 at 9:22 AM, W1JCW wrote:
>
> I've had good luck with the old slingshot myself.
>
> I use the a 1oz egg sinker and red mono line so I can see it easier too.
> Depending on the tree sometimes it's difficult to get the line to drop
> within reach so spring or late fall is the best time to get this lines
> in the trees.
>
> Good info the spudguns. I havent tried other forms of
> ignition...interesting.
>
> 73-
> W1JCW
> John
>
> From: James
> Sent: Friday, December 02, 2011 5:26 PM
> To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
> Subject: [ham-antennas] Spud Guns
>

> Thoughts on spud gun use for launching antenna lines;
>
> First, I've five operational spud guns and "host" an annual 4th of July
> contest for the "family and friends" at my home. Over the years, we've
> developed different types and preferences.
>
> 1) Aquanet using a piezo igniter design is common on the internet. The
> electric spark ignites the hair spray and forces the potato section out
> of the barrel at high velocity. Unfortunately it also has blow back
> through the ignitor and will eventually foul it... an unreliable
> mechanism. Electronic ignition can also be used, however it doesn't
> overcome the mixture problem.
>
> 2) Works ok with propane or map gas, but the mixture is hard to control
> consistently... unreliable.
>
> 3) Spud gun chamber can be pressurized with air through a Schrader via a
> bicycle pump. Trigger mechanism is a valve normally used for lawn
> sprinklers.. these are pretty cheap and can be actuated by hand or
> electric. Pumping up the chamber to 100lbs pressure with a bicycle pump
> will have you cursing if you miss your target! This is my favorite type
> of spud gun and my air compressor is used for the contest... all fun
> with little work.
>
> 4) A misadventure with a spud gun will put you into the hospital or
> worse. I've seen a potato go through one half inch plywood. We shoot
> using firearm safety rules.
>
> 5) Recommended type... the gun with using a Schrader valve, but you need
> a good air pump if operating away from home without an electric air
> compresssor.
>
> 6) What do I use to launch an antenna line... slingshot. Fires every
> time, very little maintenance needed. Paint the sinkers yellow, make
> sure the line is played out or the bale is open on the spinning reel.
> When hoisting, you'll have 3 lines... light monofilament tied to
> surveyor string, tied to the main support line. No fuss, no muss, no
> misfires or sore muscles.
>
> 73, Jim, K9JFK
>
> [Non-text portions of this message have been removed]
>
>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]

>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20977. Re: [ham-antennas] Re: G5RV vs dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 06:07:03 UTC
From: Larry Tooley
Topic: 20931 Message: 20977

Amen! Have used the ARRL 80/40 Trap Dipole with 70 ohm killowatt twinlead
for 30 years. Used RG-8 coax to an Amidon 1:1 balun just outside the house.

----- Original Message -----
From: Mike Rodgers
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 04, 2011 9:25 AM
Subject: [ham-antennas] Re: G5RV vs dipole

My vote is for the dipole and ladderline.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

[Non-text portions of this message have been removed]

20978. Re: 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 07:18:18 UTC
From: lowpowerop
Topic: 20952 Message: 20978

Thanks for that link. Just read the info on page 21, Excellent!
Grateful you passed that on. Was not aware of this availability.

73
john

--- In ham-antennas@yahoogroups.com, "Don.Riedel@... " <Don.Riedel@...> wrote:
>
> Just reading this terrific paper on basic antenna knowledge and if you
> read the first paragraph on page #21 about half way through that paragraph
> you will find a wonderful answer to your question!
> http://www.hamuniverse.com/n4jaantennabook.html
>

20979. Re: Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 17:40:15 UTC
From: fred
Topic: 20947 Message: 20979

The closest lowes or home depot to me is in brenham or bastrop and I don't drive . as for using the steel wire , I have no complaints . have worked greece , croatia , ducie island , christmas island and cuba with it and it has not rusted yet . it is usually pretty damp in south texas except for this year . plus it is light weight and does not tangle the way bare copper wire does .

andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, Ken <wa8jxm@...> wrote:
>
> The Wireman has #18 copper clad for $6/100' and #12 solid copper harddrawn wire for $15/100. You can go to Lowe's and get a 500' spool of #18 stranded, insulated wire for $50.
>
> I bought a 500' spool of the #18 copper clad and it's been good wire.
>
> I don't know where you have been looking, but I sure wouldn't use steel cable for antenna wire to save a very few dollars.
>
> Ken WA8JXM
>
> On Dec 4, 2011, at 12:32 PM, fred wrote:
>
> > three years ago I had to replace the copper dipole and had sticker shock when I saw the price .
>

20980. RE: [ham-antennas] Spud Guns

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 18:34:44 UTC
From: Tom Mitchell VE7TOM
Topic: 20912 Message: 20980

For wire antennas I have had great success with one of the pneumatic tennis ball launchers getting over 100 foot plus trees. The two big things about these is they shoot the brightly coloured and weighted tennis ball with accurate aim and the tennis ball with about 4 oz of BBs makes it down through the branches without getting hung up.

As they are compressed air with a pressure gauge, I feel they are safer than an explosive gas mixture. Plus with the pressure gauge, I find it does not take long to learn what pressure is good for different heights and angles.

Tom VE7TOM

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Larry Tooley
Sent: Sunday, December 04, 2011 9:55 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Spud Guns

I know my suggestion isn't antennas. Sorry. But with a toilet tissue roll spud gun adaptor, you can have a ball on hollidays
----- Original Message -----
From: Artekmedia
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, December 04, 2011 10:46 AM
Subject: Re: [ham-antennas] Spud Guns

8' surf rod with an ancient Penn spinning reel (flea market special) , 40 lb spider wire and 2 or 3 oz "bank sinkers". lighter than 2 oz wont always pull the spider wire to the ground. heavier than 3oz is hard to control for casting accuracy. easily good to 80'. Not where you wanted it ? never and I mean never pull the sinker back through the tree 75% of the time it gets caught. I tie a piece of pink florescent plant tie to the bank sinker so I can see it better in the woods. Once over the tree I pull parachute cord back through the tree with the spider wire then use the parachute cord to pull heavy rope.

I find the idea of the spud gun for accuracy appealing maybe I'll put it on my Xmas wish list some year . As one poster noted earlier there is the potential for spud gun explosive accidents if not used properly. Surf casting rods never explode but as noted above the unintended consequence of trying to pull a fouled bank sinker from a tree can result in a bank sinker coming back at you out of the tree at amazing speed , fortunately I was wearing a hard hat ...now I never try to pull sinkers back through only lines :-)

Dave
NR1DX

On 12/4/2011 10:13 AM, Richard Schmuke wrote:
>
> This is just a option . I happen to also fish so I use a bass rod to
> launch a heavy weight over the trees. It might not work with a light
> weight Zebco reel and line but I use a stiff rod and a Abu Garcia
> baitcast reel with 50Lb test spider wire. It works good and was
> already here.
>
> Rich , Kd0zz
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of
> goldtr8@... <mailto:goldtr8%40charter.net>
<mailto:goldtr8%40charter.net>
> Sent: Sunday, December 04, 2011 8:38 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> Cc: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> Subject: RE: [ham-antennas] Spud Guns
>
> I used weed trimmer line as it is light and very thick. I did this to
> not have problems pulling the wire up thru the trees. Right now there
> are no leaves in the trees so it is fairly easy to pull thru.
>
> One thing to remember if you determine that you do not like where the
> line went and are going to do a second shot remove your projectile from
> the line. It can get caught in branches and then you can not get it
> back down.
>
> Also do not stand on your line when shooting as it makes a short shot.
>
> At 40 PSI you can shoot high and far, so be safe.
>
> Antenna is almost done and final form will be a loop.
>
> ~73
> Don
> KD8NNU
>
> On Sun, Dec 4, 2011 at 9:22 AM, W1JCW wrote:
>
> I've had good luck with the old slingshot myself.
>
> I use the a 1oz egg sinker and red mono line so I can see it easier too.
> Depending on the tree sometimes it's difficult to get the line to drop
> within reach so spring or late fall is the best time to get this lines

> in the trees.
>
> Good info the spudguns. I havent tried other forms of
> ignition...interesting.
>
> 73-
> W1JCW
> John
>
> From: James
> Sent: Friday, December 02, 2011 5:26 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com>
> <mailto:%27ham-antennas%40yahoogroups.com>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
> Subject: [ham-antennas] Spud Guns
>
> Thoughts on spud gun use for launching antenna lines;
>
> First, I've five operational spud guns and "host" an annual 4th of July
> contest for the "family and friends" at my home. Over the years, we've
> developed different types and preferences.
>
> 1) Aquanet using a piezo igniter design is common on the internet. The
> electric spark ignites the hair spray and forces the potato section out
> of the barrel at high velocity. Unfortunately it also has blow back
> through the ignitor and will eventually foul it... an unreliable
> mechanism. Electronic ignition can also be used, however it doesn't
> overcome the mixture problem.
>
> 2) Works ok with propane or map gas, but the mixture is hard to control
> consistently... unreliable.
>
> 3) Spud gun chamber can be pressurized with air through a Schrader via a
> bicycle pump. Trigger mechanism is a valve normally used for lawn
> sprinklers.. these are pretty cheap and can be actuated by hand or
> electric. Pumping up the chamber to 100lbs pressure with a bicycle pump
> will have you cursing if you miss your target! This is my favorite type
> of spud gun and my air compressor is used for the contest... all fun
> with little work.
>
> 4) A misadventure with a spud gun will put you into the hospital or
> worse. I've seen a potato go through one half inch plywood. We shoot
> using firearm safety rules.
>
> 5) Recommended type... the gun with using a Schrader valve, but you need

> a good air pump if operating away from home without an electric air
> compresssor.
>
> 6) What do I use to launch an antenna line... slingshot. Fires every
> time, very little maintenance needed. Paint the sinkers yellow, make
> sure the line is played out or the bale is open on the spinning reel.
> When hoisting, you'll have 3 lines... light monofilament tied to
> surveyor string, tied to the main support line. No fuss, no muss, no
> misfires or sore muscles.
>
> 73, Jim, K9JFK
>
> [Non-text portions of this message have been removed]
>
>
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com>
> <mailto:%27ham-antennas%40yahoogroups.com>
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@... <mailto:Manuals%40ArtekMedia.com>
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20981. Re: Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 18:37:31 UTC
From: AB2ZY
Topic: 20947 Message: 20981

--- In ham-antennas@yahoogroups.com, <ffuhrer@...> wrote:
> I used to be a big DX fiend, but when my job got me to moving around so much I gave the venerable DXCC Award up, as my moves were always more than 75 miles or more - therefore negating the QSL cards I collected for that award.

Maybe there was a rule change, but currently the only limitation on eligibility for DXCC awards I can see is that all QSL's submitted be made from the same DXCC entity.

There is a milage limit on QSL's for WAS.

Al
AB2ZY

20982. Re: [ham-antennas] 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 19:24:50 UTC
From: Jon Ermels
Topic: 20952 Message: 20982

Don, where do you find the page numbers?

73 de NØIGU
Jon

>_________________________________
> From: "Don.Riedel@... " <Don.Riedel@gmail.com>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, December 4, 2011 8:42 PM
>Subject: Re: [ham-antennas] 450 Ohm Ladderline
>
> Just reading this terrific paper on basic antenna knowledge and if you
>read the first paragraph on page #21 about half way through that paragraph
>you will find a wonderful answer to your question!
>http://www.hamuniverse.com/n4jaantennabook.html
>
>Don KC0GMF
>
>On Sun, Dec 4, 2011 at 8:58 AM, lowpowerop <lowpowerop@...> wrote:
>
>> **
>>
>>
>> Have a doublet and fed with 450 ladderline and trying to feed it into the
>> shack. Ordered a couple of bulkheads from The Wireman to run this
>> ladderline in. Will this ladderline radiate in my shack? Am I better off
>> using a 4:1 balun on the outside and running coax to the inside?
>>
>>
>>
>>
>>
>>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20983. Re: [ham-antennas] 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 19:26:51 UTC
From: Jon Ermels
Topic: 20952 Message: 20983

Sorry Don, I just saw I can download a PDF, so I will..Thanks for the info.

73 de NØIGU
Jon

>_____
> From: "Don.Riedel@... " <Don.Riedel@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, December 4, 2011 8:42 PM
>Subject: Re: [ham-antennas] 450 Ohm Ladderline
>
> Just reading this terrific paper on basic antenna knowledge and if you
>read the first paragraph on page #21 about half way through that paragraph
>you will find a wonderful answer to your question!
>http://www.hamuniverse.com/n4jaantennabook.html
>
>Don KC0GMF
>
>On Sun, Dec 4, 2011 at 8:58 AM, lowpowerop <lowpowerop@...> wrote:
>
>> **
>>
>>
>> Have a doublet and fed with 450 ladderline and trying to feed it into the
>> shack. Ordered a couple of bulkheads from The Wireman to run this
>> ladderline in. Will this ladderline radiate in my shack? Am I better off
>> using a 4:1 balun on the outside and running coax to the inside?
>>
>>
>>
>>
>>
>>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

20984. Re: [ham-antennas] Re: Inverted "L" Antenna Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 19:51:58 UTC
From: Artekmedia
Topic: 20947 Message: 20984

Al is correct about DXCC (move as much as you want inside the continental USA) and WAS (must be made basically from the same location) ..it has been that way for at least 30 years

That having been said DXCC is not that hard to do (bragging rights follow) ...Having gotten back on the air for the first time in 10 years from my new QTH I decided to start (DXCC) over just for the fun of it. I started on November 1 of this year running 100 watts and a 25 year old butternut vertical and worked 152 countries in 35 zones in less than 3 weeks (before CQWW-CW). . BY CQWW I had the linear working again, had a _poor inverted L for 160 (_ though I did work CN2R barefoot on 160 with it). I since replaced the "L" with a "T" (much better) and a couple of more dipoles up and picked up 30 more countries and 4 more zones... I just need zone 2 for WAZ.

Working DX is more about being on the right frequency at the right time. The key to that is access to a DX packet spotting cluster or an online service like http://www.eham.net/DX/. Next is timing and listening ability. most of the rare stuff is working split ("up 1") figure out where the DX station worked the last guy (up 1.52) and zero beat. Wait a few seconds before you dump your call in, other stations on the same freq will have ended their calls on top of each other and there you are in the clear etc. Some DX slide their listening freq up and down after each QSO figure out which way he is sliding and anticipate him by moving up 100HZ from the last station he worked and so on ....listen , listen listen ...yeah big antennas, way up high with a full set of bottles will get you through the pile up quicker but technique goes a long way for getting a modest station in the other guys log.

Dave
NR1DX

On 12/5/2011 12:37 PM, AB2ZY wrote:
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, <ffuhrer@...> wrote:
> > I used to be a big DX fiend, but when my job got me to moving around
> so much I gave the venerable DXCC Award up, as my moves were always
> more than 75 miles or more - therefore negating the QSL cards I
> collected for that award.
>
> Maybe there was a rule change, but currently the only limitation on
> eligibility for DXCC awards I can see is that all QSL's submitted be
> made from the same DXCC entity.
>
> There is a milage limit on QSL's for WAS.

>
> Al
> AB2ZY
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20985. Re: [ham-antennas] extended double zepp or loop comments

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 20:13:43 UTC
From: Dave Oldridge
Topic: 20912 Message: 20985

On 02/12/2011 4:33 PM, goldtr8@... wrote:
> I will post some info on my spud gun when I am on my other PC.
>
> But is there any comments on the ZEPP idea. Good, bad, ugly, or who
> know until you try it.
>

I once made an end-fed zepp with 1/4 wave open wire feeder for 20m. I was still just an SWL but it made an excellent receive antenna.

--
Dave Oldridge
Skype: daveoldridge
Ham Radio: VA7CZ

20986. AW: [ham-antennas] Ladder line help

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 19:12:38 UTC
From: siegfried.jackstien
Topic: 20955 Message: 20986

Homebuild ... either with homebrewed insulators or with snap on insulators
... they are cheap and with thick wire you can easy load a gallon on it
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Anil 2
> Gesendet: Sonntag, 4. Dezember 2011 15:16
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Ladder line help
>
>
>
> Which is the best shop for ladder line 450 or 600 ohms ??
>
> Anil VU2TRI
>
> [Non-text portions of this message have been removed]
>
>
>
>

20987. AW: [ham-antennas] Re: 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-05 19:12:38 UTC
From: siegfried.jackstien
Topic: 20952 Message: 20987

You can lift the ground of the tuner and measure common mode current
If common mode current is zero and no other ground is there all power is on
the ladderline and no ground current means balanced load
...
Another way would be measure both currents (in both legs)

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von lowpowerop
> Gesendet: Sonntag, 4. Dezember 2011 15:13
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: 450 Ohm Ladderline
>
>
>
> Dave,
> how can I ensure that it is "balanced".
> Thanks for your reply.
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , Artekmedia <nr1dx@...> wrote:
> >
> > As long as the line is truly "balanced" there should be little or no
> > radiation in the shack
> >
> >
> > Dave
> > NR1DX
>
>
>
>

20988. Re: 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 02:50:07 UTC
From: lowpowerop
Topic: 20952 Message: 20988

Can you provide the link where the pdf can be found?

--- In ham-antennas@yahoogroups.com, Jon Ermels <n0igu@...> wrote:
>
> Sorry Don, I just saw I can download a PDF, so I will..Thanks for the info.
>
>
> 73 de NØIGU
> Jon

20989. 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 13:42:40 UTC
From: Jim Whitaker
Topic: 20989 Message: 20989

I'm going to wind my first 4:1 balun and no matter how much I read I cant find the same answer twice so why not ask. I'm using a T200B-2 core and silver plated Teflon covered wire #16. First question, why do some of the how to's want you to wrap the toroid core in tape and other don't?, secondly, even though all are saying they produce a 4:1 for HF why do the number of turns vary so much? Lastly, when they say 14 or 16 turns I'm assuming they mean "total" turns, both sets of windings, IE (8 on one side 8 on the other)?

DE N8XYN K

20990. RE: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 14:25:24 UTC
From: Richard Schmuke
Topic: 20989 Message: 20990

Some wrap the core or rods because they need more insulation between the wire and core. I only wrap bare rods. You won't need it because of the heavy insulation provided by the Teflon. Some magnet wire that is designed for motor use has a thin coat, other magnet wire has a much thicker coat.

The number of turns will depend on the wire insulation and core type. When you complete you winding you can do it with , let's say one more winding, then check the resonate frequency of you balun. It would be easier to remove a winding than add one.

A note about winding with Teflon wire, it is a little harder to hold in place than magnet wire. It will spring back or unwind. I use little spring clamps or paper clamps and hold the wire in place, apply some quick set epoxy. When doing a 4:1 current balun a torrid I use little alligator clips I got at Harbor Freight to hold the spacing until the epoxy dries. On a rod type I use monofilament fishing line to hold the spacing.

Rich, Kd0zz

Subject: [ham-antennas] 4:1 Balun winding questions please?

I'm going to wind my first 4:1 balun and no matter how much I read I cant find the same answer twice so why not ask. I'm using a T200B-2 core and silver plated Teflon covered wire #16. First question, why do some of the how to's want you to wrap the toroid core in tape and other don't?, secondly, even though all are saying they produce a 4:1 for HF why do the number of turns vary so much? Lastly, when they say 14 or 16 turns I'm assuming they mean "total" turns, both sets of windings, IE (8 on one side 8 on the other)?

DE N8XYN K

[Non-text portions of this message have been removed]

20991. RE: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 14:33:41 UTC
From: Jim Whitaker
Topic: 20989 Message: 20991

(The number of turns will depend on the wire insulation and core type. When
you complete you winding you can do it with , let's say one more winding,
then check the resonate frequency of you balun. It would be easier to
remove a winding than add one.)

Thanks for the reply, I have at least one more question though. I’m seeing anything from 12 to 16 turns (I assume per side) using a T200 core, from what you’ve said I probably should error on the more side and use the 16 turns per side? Does more turns reduce the effective frequency from say 3.5 to 1.8 mHz while possibly dropping the upper end also?

DE N8XYN

[Non-text portions of this message have been removed]

20992. RE: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 15:26:33 UTC
From: Richard Schmuke
Topic: 20989 Message: 20992

(The number of turns will depend on the wire insulation and core type. When you complete you winding you can do it with , let's say one more winding, then check the resonate frequency of you balun. It would be easier to remove a winding than add one.)

Thanks for the reply, I have at least one more question though. I’m seeing anything from 12 to 16 turns (I assume per side) using a T200 core, from what you’ve said I probably should error on the more side and use the 16 turns per side? Does more turns reduce the effective frequency from say 3.5 to 1.8 mHz while possibly dropping the upper end also?

Jim you are on the right track but headed the wrong way. You want more turns for 1.8 and 3.5 , less for 14 thru 29 MHz.

This is just my point of view, I do not work 160 so when I am building a balun for myself I adjust the windings so I get a 1:1 SWR in a dummy load at 10MHz. I have made a similar balun for a friend who has 6m and was planning a multiband loop so I made it with less turns giving higher readings at 3.5 but better at 54.

Note that my number of turns I would not relate to your set up due to different core materials and wire type I used.

Rich , Kd0zz

[Non-text portions of this message have been removed]

20993. RE: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 15:58:16 UTC
From: Jim Whitaker
Topic: 20989 Message: 20993

(Note that my number of turns I would not relate to your set up due to different core materials and wire type I used.)

You've been very helpful, I'm starting much like medicine this might be as much art as hard science I did order MFJ's cheapest swr analyzer because I believe it's now a justified expense. The problem with MFJ is the past 2 things I've ordered from them were on back order. Why things are allowed to be sold that aren't in stock is beyond me. I really think we are lucky to have MFJ, but things could be a little more consumer friendly...

DE N8XYN

[Non-text portions of this message have been removed]

20994. Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 16:07:08 UTC
From: Robert Costa, KB6QXM
Topic: 20994 Message: 20994

Thanks to a member of this yahoo group, I will be obtaining a alpha-delta DX-lb. I want to take the fan dipole design and add 60 and all of the WARC bands. Considering the bandwidth of 60 meters and WARC, full coverage should be possible. Anyone done this before? Any interaction between wires?

I want to purchase alpha-delta wire seperators, if they sell them, if not, I will use PVC.

Any thoughts or comments?

[Non-text portions of this message have been removed]

20995. Re: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 16:37:10 UTC
From: Artekmedia
Topic: 20989 Message: 20995

Jim

For Xmas you might want to ask the XYL to get you a copy "Transmission Line Transformers" , by Jerry Sevick , W2FMI (deceased). Probably one of the most informative, exhaustive practical books on the subject

. I bought my copy 10+ years ago and it was only $20 ..I See ARRL is now selling it for $75 !!!!! (which I think .... are you listening ARRL? .... is a bit unrealistic) , likely you may find a less expensive copy on Evil-Bay or that book seller named after a large river in South America

More directly to your point the number of turns can depend on an number of factors

1) Actual core type
2) Frequency(s) of interest
3) Winding material and style (twisted pairs, parallel wires, coaxial etc), careful choice of the core type and winding style can easily produce baluns which are essentially flat from 1 MHz to 30MHz
4) Also the intended application, i.e. 12.5 ohms to 50 ohms vs 50 ohms to 200 ohms . Sevick found that the characteristic line impedance of the line used to do the winding was important in achieving maximum bandwidth

I know this did not exactly answer your question and in the end without a lot more data I just would wind one and then test it, all part of the learning experience

Dave
NR1DX

On 12/6/2011 7:42 AM, Jim Whitaker wrote:
>
> I'm going to wind my first 4:1 balun and no matter how much I read I
> cant find the same answer twice so why not ask. I'm using a T200B-2
> core and silver plated Teflon covered wire #16. First question, why do
> some of the how to's want you to wrap the toroid core in tape and
> other don't?, secondly, even though all are saying they produce a 4:1
> for HF why do the number of turns vary so much? Lastly, when they say
> 14 or 16 turns I'm assuming they mean "total" turns, both sets of
> windings, IE (8 on one side 8 on the other)?
>
> DE N8XYN K
>
>

--
Dave& Lynn Henderson

Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

20996. Re: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 16:52:05 UTC
From: Ken
Topic: 20989 Message: 20996

On Dec 6, 2011, at 11:37 AM, Artekmedia wrote:

> . I bought my copy 10+ years ago and it was only $20 ..I See ARRL is now
> selling it for $75 !!!!! (which I think .... are you listening ARRL?
> .... is a bit unrealistic) , likely you may find a less expensive copy

Yes, I have noticed how ARRL has become a publishing house of EXPENSIVE books.

Geesh, My original Handbook was $3.50 and the Antenna Manual was $2.00. I still use it :)

Now they are $50 each?

Ken WA8JXM

20997. RE: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 17:14:33 UTC
From: Richard Schmuke
Topic: 20989 Message: 20997

Jim , if I need a MFJ product I always get it mine from R&L ,

http://store.rlham.com/shop/catalog/ They have most MFJ products in stock.

They are a little less than MFJ's list price, good service and quick to ship. I have ordered things from them and two days later it will be at my door but then they are in Ohio and I am in Missouri. Most of the time I get a little coax or other items and bump it up to free shipping. I get most of my coax and stuff from them. A quick call to them and they have always been helpful or order on line.

For PL-259's, SO239's, torrids, resistors, IC's and things from my local emporium http://www.gatewaycatalog.com/

I have no connection to these places, it just where I shop.

You will hear a lot of the "ex-sperts" run their mouth about the quality of this or that brand but if it does the job for you and me then it's good enough. I have a good Fluke true RMS meter at my bench but when I am at a friends or field day it is a simple Craftsman meter in my tool bag.

I remember when I bought my Signalink USB interface, there was a wait, they were sold out and had to wait until the next shipment of boards arrived from overseas so the product could be assembled on the west coast then shipped to me. I hope you get your meter soon.

Rich , kd0zz

.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Whitaker
Sent: Tuesday, December 06, 2011 9:58 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] 4:1 Balun winding questions please?

(Note that my number of turns I would not relate to your set up due to different core materials and wire type I used.)

You've been very helpful, I'm starting much like medicine this might be as much art as hard science I did order MFJ's cheapest swr analyzer because I believe it's now a justified expense. The problem with MFJ is the past 2 things I've ordered from them were on back order. Why things are allowed to be sold that aren't in stock is beyond me. I really think we are lucky to have MFJ, but things could be a little more consumer friendly...

DE N8XYN

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20998. Re: [ham-antennas] Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 17:32:59 UTC
From: dean
Topic: 20994 Message: 20998

I have found several sites on Google.

http://www.hamuniverse.com/multidipole.html

http://www.eham.net/articles/12399

http://www.qsl.net/kd7rem/antdipole.htm

These are very interesting web sites.

I personally have an inverted V fan dipole. They are a 75/80 M going N/S and a 40 M going E/W. They are resonant on 75/40/15/12/10 so no need to use a tuner on those bands. With a tuner I can tune the rest of the frequencies. I have a SB-200 Heathkit 500 W Linear Amp but hardly ever use it. I turn it on one a month to keep it working.

My question is why not make your own antenna instead of buying it. Of course the cost of wire has gone up a lot since I put up mine.

73, WY6L

From: Robert Costa, KB6QXM
Sent: Tuesday, December 06, 2011 8:07 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Has anyone done this?

Thanks to a member of this yahoo group, I will be obtaining a alpha-delta DX-lb. I want to take the fan dipole design and add 60 and all of the WARC bands. Considering the bandwidth of 60 meters and WARC, full coverage should be possible. Anyone done this before? Any interaction between wires?

I want to purchase alpha-delta wire seperators, if they sell them, if not, I will use PVC.

Any thoughts or comments?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

20999. RE: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 17:41:00 UTC
From: Richard Schmuke
Topic: 20989 Message: 20999

Jim

For Xmas you might want to ask the XYL to get you a copy "Transmission Line Transformers" , by Jerry Sevick , W2FMI (deceased). Probably one of the most informative, exhaustive practical books on the subject

. I bought my copy 10+ years ago and it was only $20 ..I See ARRL is now selling it for $75 !!!!! (which I think .... are you listening ARRL? .... is a bit unrealistic) , likely you may find a less expensive copy on Evil-Bay or that book seller named after a large river in South America

That is a good book but now that it is out of print the price seems to track with the price of a ounce of gold. You can still get Jerry Sevick , W2FMI book “ Understanding Building and Using Baluns and Ununs” for less than $20 from several places. It will have everything you need, it is still in publication. It does not get into the depth of the math theory as deep but if you want to build and not just study numbers it is what you need. It covers 1:1 up to 12:1 and everything in between. I have it and would highly recommend it. I got mine from,

http://www.universal-radio.com/catalog/books/0558.html

Rich , KDØZZ , ☺

Reality is the leading cause of stress amongst those in touch with it."

[Non-text portions of this message have been removed]

21000. Re: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 18:48:24 UTC
From: kd8bbk@aol.com
Topic: 20989 Message: 21000

R&L have great prices and great service. Have ordered coax and many other things from them. I used the info from the arrl hand book to build my 4:1 baluns and then checked with the analyzer with a 200 ohm resistor connected across the connections. I have made two of them and they both worked out really good.

Tony

-----Original Message-----
From: Richard Schmuke <rdj@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Tue, Dec 6, 2011 12:15 pm
Subject: RE: [ham-antennas] 4:1 Balun winding questions please?

Jim , if I need a MFJ product I always get it mine from R&L ,

http://store.rlham.com/shop/catalog/ They have most MFJ products in stock.

They are a little less than MFJ’s list price, good service and quick to ship. I have ordered things from them and two days later it will be at my door but then they are in Ohio and I am in Missouri. Most of the time I get a little coax or other items and bump it up to free shipping. I get most of my coax and stuff from them. A quick call to them and they have always been helpful or order on line.

For PL-259’s, SO239’s, torrids, resistors, IC’s and things from my local emporium http://www.gatewaycatalog.com/

I have no connection to these places, it just where I shop.

You will hear a lot of the “ex-sperts” run their mouth about the quality of this or that brand but if it does the job for you and me then it’s good enough. I have a good Fluke true RMS meter at my bench but when I am at a friends or field day it is a simple Craftsman meter in my tool bag.

I remember when I bought my Signalink USB interface, there was a wait, they were sold out and had to wait until the next shipment of boards arrived from overseas so the product could be assembled on the west coast then shipped to me. I hope you get your meter soon.

Rich , kd0zz

.

From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Whitaker

Sent: Tuesday, December 06, 2011 9:58 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] 4:1 Balun winding questions please?

(Note that my number of turns I would not relate to your set up due to different core materials and wire type I used.)

You've been very helpful, I'm starting much like medicine this might be as much art as hard science I did order MFJ's cheapest swr analyzer because I believe it's now a justified expense. The problem with MFJ is the past 2 things I've ordered from them were on back order. Why things are allowed to be sold that aren't in stock is beyond me. I really think we are lucky to have MFJ, but things could be a little more consumer friendly...

DE N8XYN

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21001. RE: [ham-antennas] Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 19:02:59 UTC
From: Richard Schmuke
Topic: 20994 Message: 21001

Subject: [ham-antennas] Has anyone done this?

Thanks to a member of this yahoo group, I will be obtaining a alpha-delta DX-lb. I want to take the fan dipole design and add 60 and all of the WARC bands. Considering the bandwidth of 60 meters and WARC, full coverage should be possible. Anyone done this before? Any interaction between wires?

I want to purchase alpha-delta wire seperators, if they sell them, if not, I will use PVC.

Any thoughts or comments?

I have not done this myself with a Alpha-Delta. I would wonder how wires would interact with the traps.

I did make a 5 band fan dipole from scratch. Here is the good, bad and the ugly of doing it. I cut the wire for where I wanted to operate on 75, 40, 20, 12 and 10. I put it up and it was only good on 75. I lowered it and added wire as required for each band, 40 first the on up. Do not start on ten, work the lower bands first. I would advise to cut longer and tweak as required. The difference will vary according to your spacing, wire size and so forth. It worked OK all summer, then winter came as did the snow and ice. My PVC spacers broke loose at the epoxy so in the spring when an old man's fancy turns to antennas I lowered it back down and did a little cleanup on the copper and reset the spacers. Then took some 22ga solid tinned wire did wrap across each spacer and soldered it to the antenna. Now it holds up in sleet and snow.

Here is a picture of it up in the air.
http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg

Rich, Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21002. Re: [ham-antennas] Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 19:10:18 UTC
From: kd8bbk@aol.com
Topic: 20994 Message: 21002

I put up a fan dipole 2 years ago and it has been a great antenna. My fan dipole is all inverted vee and has a dipole for 80,40,30 meters. 17 meters comes out with about 1.4 swr with no tuner. 12 meters loads up pretty good with the tuner. I have worked lots of dx on the antenna and has been the best antenna I have built so far. You have to start by tuning the lowest band of frequency and then trim the dipoles as you go up in frequency on the dipoles. Keep the dipoles spaced as far apart as you can. My 80 runs E to W. The 40 runs NW to SE. The 30 runs E to W below the 80. Give it a try you will be surprised.

Tony

-----Original Message-----
From: dean <deanf@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Tue, Dec 6, 2011 12:33 pm
Subject: Re: [ham-antennas] Has anyone done this?

I have found several sites on Google.

http://www.hamuniverse.com/multidipole.html

http://www.eham.net/articles/12399

http://www.qsl.net/kd7rem/antdipole.htm

These are very interesting web sites.

I personally have an inverted V fan dipole. They are a 75/80 M going N/S and a 40 M going E/W. They are resonant on 75/40/15/12/10 so no need to use a tuner on those bands. With a tuner I can tune the rest of the frequencies. I have a SB-200 Heathkit 500 W Linear Amp but hardly ever use it. I turn it on one a month to keep it working.

My question is why not make your own antenna instead of buying it. Of course the cost of wire has gone up a lot since I put up mine.

73, WY6L

From: Robert Costa, KB6QXM
Sent: Tuesday, December 06, 2011 8:07 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Has anyone done this?

Thanks to a member of this yahoo group, I will be obtaining a alpha-delta DX-lb. I want to take the fan dipole design and add 60 and all of the WARC bands. Considering the bandwidth of 60 meters and WARC, full coverage should be possible. Anyone done this before? Any

interaction between wires?

I want to purchase alpha-delta wire seperators, if they sell them, if not, I will use PVC.

Any thoughts or comments?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21003. Re: 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 19:56:53 UTC
From: urei
Topic: 20989 Message: 21003

A quick search yielded a hardcover copy of this book at alibris.com
selling for $34.00 and a used softcover at amazon.com for $32.49.
73

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
>
>
> Jim
>
> For Xmas you might want to ask the XYL to get you a copy "Transmission
> Line Transformers" , by Jerry Sevick , W2FMI (deceased). Probably one of
> the most informative, exhaustive practical books on the subject
>
> . I bought my copy 10+ years ago and it was only $20 ..I See ARRL is now
> selling it for $75 !!!!! (which I think .... are you listening ARRL?
> .... is a bit unrealistic) , likely you may find a less expensive copy
> on Evil-Bay or that book seller named after a large river in South America
>
> That is a good book but now that it is out of print the price seems to track with the price of a ounce of gold. You can still get Jerry Sevick , W2FMI book â□□ Understanding Building and Using Baluns and Ununsâ□□ for less than $20 from several places. It will have everything you need, it is still in publication. It does not get into the depth of the math theory as deep but if you want to build and not just study numbers it is what you need. It covers 1:1 up to 12:1 and everything in between. I have it and would highly recommend it. I got mine from,
>
> http://www.universal-radio.com/catalog/books/0558.html
>
>
>
> Rich , KDÃ□ZZ , â□º
>
>
>
> Reality is the leading cause of stress amongst those in touch with it."
>
>
>
>
>
>
>
>
>
>
>

>
> [Non-text portions of this message have been removed]
>

21004. Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 21:36:46 UTC
From: Lee
Topic: 20994 Message: 21004

>> I personally have an inverted V fan dipole. They are a 75/80 M going N/S and a 40 M going E/W. They are resonant on 75/40/15/12/10 so no need to use a tuner on those bands.
>> 73, WY6L

Dean, I read the above in your post.

The part about your fan dipole being "resonant" on 5 different bands intrigues me.

What test method and what test equipment did you use to determine antenna resonance on those 5 bands?

Thank you.....

Lee KA0FPJ

21005. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 22:02:35 UTC
From: Don Sanders
Topic: 20994 Message: 21005

Yes, a low SWR does not mean resonance. \My dummy load is low SWR and certainly not resonant.
The T2FD antenna has a reasonably low SWR but as Cebik verified in his report on this antenna,
it is slightly better than a dummy load at low frequencies of 160, 80 and 40 meters.Like -6 dbd at 80 meters

I also have been using a fan parallel dipoles on 40 to 17 for 3 years.
I do not need a tuner on those bands but on 15, 12, and 10 it requires a tuner.
The antenna works well but was touchy to get tuned up as I did not leave enough space between the wires.

The weather and sun has taken its toil on the plastic hanger spreaders, it was a prototype after all,
Since I will be moving soon, I will be rebuilding it in about 3 months to have about 1 meter between the ends
of the wires and the feed ends will be about 1 foot apart with the feed at the bottom of the stack.
That should allow better tune up of the individual dipoles. I will use plastic pipe as spreaders. I have used
the pvc pipe for years as antenna supports and coil forms with good results. I know there are some who
knock it but it seems to work for me. However at VHF I have found it will affect lengths due to velocity factor.

Dr Don HC4/W4BWS

On Tue, Dec 6, 2011 at 4:36 PM, Lee <carkenord@...> wrote:

> **
>
>
>
>
> >> I personally have an inverted V fan dipole. They are a 75/80 M going
> N/S and a 40 M going E/W. They are resonant on 75/40/15/12/10 so no need to
> use a tuner on those bands.
> >> 73, WY6L
>
> Dean, I read the above in your post.
>
> The part about your fan dipole being "resonant" on 5 different bands
> intrigues me.
>
> What test method and what test equipment did you use to determine antenna

> resonance on those 5 bands?
>
> Thank you.......
>
> Lee KA0FPJ
>
>
>

[Non-text portions of this message have been removed]

21006. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 22:27:38 UTC
From: dean
Topic: 20994 Message: 21006

The test equipment was a Kenwood 440S. Trimmed the 75 meter and then the 40. When it was resonant for 3.8 to 4.0 and the 40 is resonant from 7.125 to 7.300 minding the band edges of course. The other bands work because of harmonics. If I want to do 17 meters I need to use my radio tuner which tunes them very well. The only frequency that has a problem not tuning is 20 meters and for that I need an external tuner. If I never use my amp then this setup works very well for me. When the antenna was first put up I had a General license so 75/80 was set at 3.8 Mhz. I can take it down to 3.6 if I use the tuner in the radio but my amp won't tune it down to 3.6 without higher SWR's. My dipole is different than most of the inverted V fan dipoles I have seen. One end drops about 20 degrees and the other drops down about 60 degrees. I live on a side of a mountain. If I was to put my dipole further back on the edge of the bluff I could get the same angle on each side. Of course if I put up a 50' pole I could make them the same angle. The antenna works very well for me so no reason to change it.

I hope this helps you. I could take pictures but you would probably never see the antenna. It blends into the sky real well. I have 8 acres and I would love to put up a 75 plus foot tower by the house. All this old man can afford though is dipoles. Where I could really put of a lot of antennas the ground is 15' lower than my house.

73, WY6L

From: Lee
Sent: Tuesday, December 06, 2011 1:36 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Has anyone done this?

>> I personally have an inverted V fan dipole. They are a 75/80 M going N/S and a 40 M going E/W. They are resonant on 75/40/15/12/10 so no need to use a tuner on those bands.
>> 73, WY6L

Dean, I read the above in your post.

The part about your fan dipole being "resonant" on 5 different bands intrigues me.

What test method and what test equipment did you use to determine antenna resonance on those 5 bands?

Thank you.....

Lee KA0FPJ

[Non-text portions of this message have been removed]

21007. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 22:27:53 UTC
From: Ken
Topic: 20994 Message: 21007

On Dec 6, 2011, at 5:02 PM, Don Sanders wrote:

> a low SWR does not mean resonance.

Yes, and resonance does not mean a low SWR.

IMO, resonance is overrated.

SWR is important for the rig and for keeping coax losses to a minimum.

Ken WA8JXM

21008. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 22:36:50 UTC
From: dean
Topic: 20994 Message: 21008

I stand corrected on saying resonance instead of low SWR’s. I have low SWR’s.

73, WY6L

From: Ken
Sent: Tuesday, December 06, 2011 2:27 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Has anyone done this?

On Dec 6, 2011, at 5:02 PM, Don Sanders wrote:

> a low SWR does not mean resonance.

Yes, and resonance does not mean a low SWR.

IMO, resonance is overrated.

SWR is important for the rig and for keeping coax losses to a minimum.

Ken WA8JXM

[Non-text portions of this message have been removed]

21009. RE: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 23:25:38 UTC
From: Richard Schmuke
Topic: 20994 Message: 21009

Subject: [ham-antennas] Re: Has anyone done this?

>> I personally have an inverted V fan dipole. They are a 75/80 M going N/S and a 40 M going E/W. They are resonant on 75/40/15/12/10 so no need to use a tuner on those bands.
>> 73, WY6L

Dean, I read the above in your post.

The part about your fan dipole being "resonant" on 5 different bands intrigues me.

What test method and what test equipment did you use to determine antenna resonance on those 5 bands?

Thank you.......

Lee KA0FPJ

This is not from Dean but I did mine 5 fan dipole band the first time with a radio (TS-450) and a 30 year old SWR meter. The next year I use a MFJ-259B but both ways will work, you can spend a lot more on test equipment if you so desire but I am cheap. I call looking at a point of resonance where I get a good SWR and indicating power out. A low SWR may not be a true point of resonance but the radio likes it. You could call mine a 6 band if you want to work 15 on the 40M section but a 1.5 wave antenna, 3/4wl each side is a 100 ohm antenna and the best you can get in theory is 2:1. Also remember with height changes the SWR can change.

Rich, Kd0zz

[Non-text portions of this message have been removed]

21010. Re: [ham-antennas] Re: 450 Ohm Ladderline

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 23:31:12 UTC
From: Jon Ermels
Topic: 20952 Message: 21010

It was on the page the original link went to.

73 de NØIGU
Jon

>_____
> From: lowpowerop <lowpowerop@...>
>To: ham-antennas@yahoogroups.com
>Sent: Monday, December 5, 2011 8:50 PM
>Subject: [ham-antennas] Re: 450 Ohm Ladderline
>
>Can you provide the link where the pdf can be found?
>
>
>
>--- In ham-antennas@yahoogroups.com, Jon Ermels <n0igu@...> wrote:
>>
>> Sorry Don, I just saw I can download a PDF, so I will..Thanks for the info.
>>
>>
>> 73 de NØIGU
>> Jon
>
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>
>

[Non-text portions of this message have been removed]

21011. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-06 23:41:00 UTC
From: dean
Topic: 20994 Message: 21011

Lee if you have the parts experiment with different set ups. Is my dipole the ideal dipole? Maybe not to someone else but it works for me. My first Elmer and one of the local VE's set up my antennas for me as I am disabled and couldn't do it on my own.

In the long run to can talk to 100 different hams and get 105 different answers. Just have fun.

73, WY6L

From: Richard Schmuke
Sent: Tuesday, December 06, 2011 3:25 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Has anyone done this?

Subject: [ham-antennas] Re: Has anyone done this?

>> I personally have an inverted V fan dipole. They are a 75/80 M going N/S
and a 40 M going E/W. They are resonant on 75/40/15/12/10 so no need to use
a tuner on those bands.
>> 73, WY6L

Dean, I read the above in your post.

The part about your fan dipole being "resonant" on 5 different bands
intrigues me.

What test method and what test equipment did you use to determine antenna
resonance on those 5 bands?

Thank you.....

Lee KA0FPJ

This is not from Dean but I did mine 5 fan dipole band the first time with a radio (TS-450) and a 30 year old SWR meter. The next year I use a MFJ-259B but both ways will work, you can spend a lot more on test equipment if you so desire but I am cheap. I call looking at a point of resonance where I get a good SWR and indicating power out. A low SWR may not be a true point of resonance but the radio likes it. You could call mine a 6 band if you want to work 15 on the 40M section but a 1.5 wave antenna, 3/4wl each side is a 100 ohm antenna and the best you can get in theory is 2:1. Also remember with height changes the SWR can change.

Rich, Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21012. 60 meter and WARC bands on fan dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 00:00:00 UTC
From: Robert Costa, KB6QXM
Topic: 21012 Message: 21012

All,

Thank you for all of your replies. I appreciate the information. My question was posed as if anyone had done a 60 meter and WARC on a fan dipole. I did receive a lot of information and some technical banter back and forth, but no one said that they have done it and here is how they did it.

So I guess I will have to experiment and hope for the best. I do not care about the other bands as I have another dipole for the other bands.

Thank you all for your replies.

73

[Non-text portions of this message have been removed]

21013. RE: [ham-antennas] 60 meter and WARC bands on fan dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 00:13:14 UTC
From: MIKE DURKIN
Topic: 21012 Message: 21013

let us know how it goes ... im still planning an ocf fan ..... total lengths for 160 & 75 ...

haven't figured out how to model it yet ... but time I have plenty of....

Mike KC7NOA

To: ham-antennas@yahoogroups.com
From: kb6qxm@...
Date: Tue, 6 Dec 2011 16:00:00 -0800
Subject: [ham-antennas] 60 meter and WARC bands on fan dipole

All,

Thank you for all of your replies. I appreciate the information. My question was posed as if anyone had done a 60 meter and WARC on a fan dipole. I did receive a lot of information and some technical banter back and forth, but no one said that they have done it and here is how they did it.

So I guess I will have to experiment and hope for the best. I do not care about the other bands as I have another dipole for the other bands.

Thank you all for your replies.

73

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21014. Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 00:15:23 UTC
From: Lee
Topic: 20994 Message: 21014

>> Lee if you have the parts experiment with different set ups.

Yes....I did that this past Spring. I was looking for a Field Day antenna. It was an enjoyable project. I made a "fan dipole" that I used on 15,20, and 40 meters. My Yaesu FT-450 has a built-in tuner, but I _DON"t_ use it with this antenna. It's not necessary.

THis antenna has now become my "go to" antenna for camping. As long as there are nearby trees within slingshot range.

I'm not prepared to say that my fan is "resonant" on any of the above bands, but it is functional, and the radio stays happy.

Over the years, I've become moderately sensitive to the "loose usage" of the term "resonance" as it applies to antennas. I'm 68 years old, licensed in 1979.

I've sure enjoyed home-brewing of antennas, and I've built some awful ones!!!! Used up a lotta wire. But then again, some of 'em worked pretty darn good. If I wasn't so _TIGHT_ I'd buy an antenna analyzer!!! I am fortunate in that I own 2 of the military grid-dip meters. They are certainly an asset for antenna building.

>>> In the long run to can talk to 100 different hams and get 105 >>>different answers.

Heh, heh.....I've noticed that!!! Soooo true!!

>>>>>Just have fun.
>>>>>>> 73, WY6L

You too, my friend......it's all about the enjoyment, isn't it? Maybe further dowm the log, we can do some informal "homebrew antenna chatting".....

73.....Lee KA0FPJ

21015. Re: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 00:18:28 UTC
From: Jim Whitaker
Topic: 20989 Message: 21015

(R&L have great prices and great service. Have ordered coax and many other things from them. I used the info from the arrl hand book to build my 4:1 baluns and then checked with the analyzer with a 200 ohm resistor connected across the connections. I have made two of them and they both worked out really good.)

I like the sound of that! A good balun costs quite a bit for as simple a thing as they appear to be. And just reading the sales pitch doesn't help at all. They all say legal limit, and DC to daylight! From what I've read thus far, that is mostly under "ideal" circumstances and not the real world, kind of like antenna gain specified against isotropic

DE N8XYN K

[Non-text portions of this message have been removed]

21016. RE: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 00:21:53 UTC
From: Jim Whitaker
Topic: 20989 Message: 21016

(Jim , if I need a MFJ product I always get it mine from R&L ,)

That’s pretty psychic of you, considering that’s just the very folks I ordered from And yes it’s on back order. I thought they are only about 50 miles from me so it would arrive fast....

DE N8XYN K

[Non-text portions of this message have been removed]

21017. Re: [ham-antennas] 60 meter and WARC bands on fan dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 00:26:52 UTC
From: Dan Schaaf
Topic: 21012 Message: 21017

ZK2V will be on 60 meters in teh morning for anyone who wants them.
Check on 5.4035 between 1100 UTC to 1300 UTC.
H will work crossmode CW/SSB if QRN or conditions are not great. That is how
I worked him a few days ago

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

----- Original Message -----
From: "MIKE DURKIN" <Patriot121@...>
To: <ham-antennas@yahoogroups.com>
Sent: Tuesday, December 06, 2011 7:13 PM
Subject: RE: [ham-antennas] 60 meter and WARC bands on fan dipole

> let us know how it goes ... im still planning an ocf fan ..... total
> lengths for 160 & 75 ...
>
> haven't figured out how to model it yet ... but time I have plenty of....
>
> Mike KC7NOA
>
> To: ham-antennas@yahoogroups.com
> From: kb6qxm@...
> Date: Tue, 6 Dec 2011 16:00:00 -0800
> Subject: [ham-antennas] 60 meter and WARC bands on fan dipole
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
> All,
>
>
>
> Thank you for all of your replies. I appreciate the information. My
> question was posed as if anyone had done a 60 meter and WARC on a fan
> dipole. I did receive a lot of information and some technical banter back
> and forth, but no one said that they have done it and here is how they did
> it.
>
>
>
> So I guess I will have to experiment and hope for the best. I do not care
> about the other bands as I have another dipole for the other bands.
>
>
>
> Thank you all for your replies.
>
>
>
> 73
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21018. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 00:28:08 UTC
From: Jon Ermels
Topic: 20994 Message: 21018

The main thing to always remember is to ignore the wannabe tech's that only post to make themselves look good by trying to make others look bad.

73 de NØIGU
Jon

>_____
> From: Lee <carkenord@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, December 6, 2011 6:15 PM
>Subject: [ham-antennas] Re: Has anyone done this?
>
>>> Lee if you have the parts experiment with different set ups.
>
>Yes....I did that this past Spring. I was looking for a Field Day antenna. It was an enjoyable project. I made a "fan dipole" that I used on 15,20, and 40 meters. My Yaesu FT-450 has a built-in tuner, but I _DON"t_ use it with this antenna. It's not necessary.
>
>THis antenna has now become my "go to" antenna for camping. As long as there are nearby trees within slingshot range.
>
>I'm not prepared to say that my fan is "resonant" on any of the above bands, but it is functional, and the radio stays happy.
>
>Over the years, I've become moderately sensitive to the "loose usage" of the term "resonance" as it applies to antennas. I'm 68 years old, licensed in 1979.
>
>I've sure enjoyed home-brewing of antennas, and I've built some awful ones!!!! Used up a lotta wire. But then again, some of 'em worked pretty darn good. If I wasn't so _TIGHT_ I'd buy an antenna analyzer!!! I am fortunate in that I own 2 of the military grid-dip meters. They are certainly an asset for antenna building.
>
>>>> In the long run to can talk to 100 different hams and get 105 >>>different answers.
>
>Heh, heh.........I've noticed that!!! Soooo true!!
>
> >>>>>Just have fun.
>>>>>>>> 73, WY6L
>
>You too, my friend......it's all about the enjoyment, isn't it? Maybe further dowm the log, we can do some informal "homebrew antenna chatting".....
>
>73.....Lee   KA0FPJ
>
>

>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

21019. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 01:56:22 UTC
From: Ken
Topic: 20994 Message: 21019

On Dec 6, 2011, at 6:25 PM, Richard Schmuke wrote:

> I call looking at a point of resonance where I get
> a good SWR and indicating power out. A low SWR may not be a true point of
> resonance but the radio likes it.

A low SWR may have nothing to do with "resonance". The two terms are unrelated.

A full wave dipole ("two half waves in phase") will be "resonant" on a frequency but with a very high feed impedance and a very high SWR.

Actually an antenna has a very small "resonant" frequency range (unless you are using extremely large conductors such as a cage). An antenna may have a low SWR across the 80/75m band but it will only be "resonant" on a single frequency in the band.

Ken WA8JXM

21020. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 01:58:45 UTC
From: Ken
Topic: 20994 Message: 21020

On Dec 6, 2011, at 7:15 PM, Lee wrote:

> I'm not prepared to say that my fan is "resonant" on any of the above bands, but it is functional, and the radio stays happy.

Lee,

That is correct and you are right, keeping the transmitter happy should be the primary goal.

Ken

21021. Re: [ham-antennas] 60 meter and WARC bands on fan dipole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 02:22:01 UTC
From: Ken
Topic: 21012 Message: 21021

There is nothing special about the 60m band as far as a fan dipole is concerned. You can add any number of elements to a fan dipole. If you get make enough elements, it becomes a broad frequency "log periodic" type of antenna ;-) However, the more elements and the closer the spacing, the more interaction.

Ken WA8JXM

On Dec 6, 2011, at 7:00 PM, Robert Costa, KB6QXM wrote:

> All,
>
> Thank you for all of your replies. I appreciate the information. My question was posed as if anyone had done a 60 meter and WARC on a fan dipole. I did receive a lot of information and some technical banter back and forth, but no one said that they have done it and here is how they did it.
>
> So I guess I will have to experiment and hope for the best. I do not care about the other bands as I have another dipole for the other bands.
>
> Thank you all for your replies.
>
> 73

21022. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 03:46:10 UTC
From: John P.
Topic: 20994 Message: 21022

Hi All,

  There are a ton of great facts, data, and a good calculator at:
   http://vk1od.net/

  Check out the calculator for a variety of SWR relative to chages in efficiency from 1:1 to 2:1. SWR readings at the transmitter.

John
WA2HIP
http://wa2hip.com

--- On Tue, 12/6/11, Ken <wa8jxm@...> wrote:

From: Ken <wa8jxm@...>
Subject: Re: [ham-antennas] Re: Has anyone done this?
To: ham-antennas@yahoogroups.com
Date: Tuesday, December 6, 2011, 8:56 PM

On Dec 6, 2011, at 6:25 PM, Richard Schmuke wrote:

> I call looking at a point of resonance where I get

> a good SWR and indicating power out. A low SWR may not be a true point of

> resonance but the radio likes it.

A low SWR may have nothing to do with "resonance". The two terms are unrelated.

A full wave dipole ("two half waves in phase") will be "resonant" on a frequency but with a very high feed impedance and a very high SWR.

Actually an antenna has a very small "resonant" frequency range (unless you are using extremely large conductors such as a cage). An antenna may have a low SWR across the 80/75m band but it will only be "resonant" on a single frequency in the band.

Ken WA8JXM

[Non-text portions of this message have been removed]

21023. Linear loading question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 04:15:25 UTC
From: unclegeorgessurplus
Topic: 21023 Message: 21023

Greetings to the group,
I would like to fine a well versed work on linear loading that I can as a layman understand, and put to use for ham radio frequencies?
If anyone knows of the information I seek, please come forward and share with me the location.
thanks in advance,
George

21024. Re: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 04:24:52 UTC
From: Larry Tooley
Topic: 20989 Message: 21024

Great idea. Can you get rods cheaper than the toroids?? And will old AM radio loopsticks work okay?
Larry WA9G
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 06, 2011 8:25 AM
Subject: RE: [ham-antennas] 4:1 Balun winding questions please?

Some wrap the core or rods because they need more insulation between the wire and core. I only wrap bare rods. You won't need it because of the heavy
insulation provided by the Teflon. Some magnet wire that is designed for motor use has a thin coat, other magnet wire has a much thicker coat.

The number of turns will depend on the wire insulation and core type. When you complete you winding you can do it with , let's say one more winding, then check the resonate frequency of you balun. It would be easier to remove a winding than add one.

A note about winding with Teflon wire, it is a little harder to hold in place than magnet wire. It will spring back or unwind. I use little spring clamps or paper clamps and hold the wire in place, apply some quick set epoxy. When doing a 4:1 current balun a torrid I use little alligator clips
I got at Harbor Freight to hold the spacing until the epoxy dries. On a rod
type I use monofilament fishing line to hold the spacing.

Rich, Kd0zz

Subject: [ham-antennas] 4:1 Balun winding questions please?

I'm going to wind my first 4:1 balun and no matter how much I read I cant find the same answer twice so why not ask. I'm using a T200B-2 core and silver plated Teflon covered wire #16. First question, why do some of the how to's want you to wrap the toroid core in tape and other don't?, secondly, even though all are saying they produce a 4:1 for HF why do the number of turns vary so much? Lastly, when they say 14 or 16 turns I'm assuming they mean "total" turns, both sets of windings, IE (8 on one side 8
on the other)?

DE N8XYN K

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21025. J-poles --> Insulated stub?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 04:35:59 UTC
From: Todd F.
Topic: 21025 Message: 21025

I've hunted all over, but I can't find anything on this.

I've seen some designs for J-poles that insulate the stub from the main element instead of the typical electrically-continuous (at least for DC) pipe or rod with two feed points (center on one and shield on the other) . Frankly, I don't know enough about antenna design or RF behavior to understand how the typical j-pole arrangement works. It looks like a pretty good ground or power bus to me, but I still mostly think in DC rather than RF AC.

Any thoughts on the insulated-elements issue? A micro-tutorial on j-pole theory?

Many thanks!

Todd
KF7SIS

21026. RE: [ham-antennas] J-poles --> Insulated stub?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 04:39:54 UTC
From: MIKE DURKIN
Topic: 21025 Message: 21026

sounds like a close coupled resonator ...

To: ham-antennas@yahoogroups.com
From: carneytf@...
Date: Wed, 7 Dec 2011 04:35:59 +0000
Subject: [ham-antennas] J-poles --> Insulated stub?

I've hunted all over, but I can't find anything on this.

I've seen some designs for J-poles that insulate the stub from the main element instead of the typical electrically-continuous (at least for DC) pipe or rod with two feed points (center on one and shield on the other) . Frankly, I don't know enough about antenna design or RF behavior to understand how the typical j-pole arrangement works. It looks like a pretty good ground or power bus to me, but I still mostly think in DC rather than RF AC.

Any thoughts on the insulated-elements issue? A micro-tutorial on j-pole theory?

Many thanks!

Todd

KF7SIS

[Non-text portions of this message have been removed]

21027. Re: [ham-antennas] Re: Has anyone done this?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 04:56:09 UTC
From: dean
Topic: 20994 Message: 21027

I look forward to that. This month I turn 68 but my first license was in 2002.

73, WY6L

From: Lee
Sent: Tuesday, December 06, 2011 4:15 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Has anyone done this?

>> Lee if you have the parts experiment with different set ups.

Yes....I did that this past Spring. I was looking for a Field Day antenna. It was an enjoyable project. I made a "fan dipole" that I used on 15,20, and 40 meters. My Yaesu FT-450 has a built-in tuner, but I _DON"t_ use it with this antenna. It's not necessary.

THis antenna has now become my "go to" antenna for camping. As long as there are nearby trees within slingshot range.

I'm not prepared to say that my fan is "resonant" on any of the above bands, but it is functional, and the radio stays happy.

Over the years, I've become moderately sensitive to the "loose usage" of the term "resonance" as it applies to antennas. I'm 68 years old, licensed in 1979.

I've sure enjoyed home-brewing of antennas, and I've built some awful ones!!!! Used up a lotta wire. But then again, some of 'em worked pretty darn good. If I wasn't so _TIGHT_ I'd buy an antenna analyzer!!! I am fortunate in that I own 2 of the military grid-dip meters. They are certainly an asset for antenna building.

>>> In the long run to can talk to 100 different hams and get 105 >>>different answers.

Heh, heh.........I've noticed that!!! Soooo true!!

>>>>>Just have fun.
>>>>>>> 73, WY6L

You too, my friend......it's all about the enjoyment, isn't it? Maybe further dowm the log, we can do some informal "homebrew antenna chatting".....

73.....Lee KA0FPJ

[Non-text portions of this message have been removed]

21028. RE: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 03:35:28 UTC
From: Richard Schmuke
Topic: 20989 Message: 21028

. And just reading the sales pitch doesn't help at all. They all say legal limit, and DC to daylight! From what I've read thus far, that is mostly under "ideal" circumstances and not the real world, kind of like antenna gain specified against isotropic

Jim that DC to Daylight is what got me into doing my own baluns. I tried one of the older ham call sign named, store bought balun that covered everything from 160 and up. Well not too good on a solid state radio, might have been ok on a older tube radio like my Johnson rig. I built a voltage 4:1 balun , it was easy and it worked. I then built a current one on a torrid, next on twin torrids with a acrylic spacer and at last twin rod type for the widest range of good SWR readings. I now use it on a multiband loop antenna as my main antenna set up.

Rich , Kd0zz

[Non-text portions of this message have been removed]

21029. Re: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 05:53:01 UTC
From: Larry Tooley
Topic: 20989 Message: 21029

I still have trouble knowing what PEP is. The old DC input was simple. 4000 volts times 250 milliamps equaled 1000 Watts. That was a REAL killowatt.

----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 06, 2011 9:35 PM
Subject: RE: [ham-antennas] 4:1 Balun winding questions please?

. And just reading the sales pitch doesn't help at all. They all say legal limit, and DC to daylight! From what I've read thus far, that is mostly under "ideal" circumstances and not the real world, kind of like antenna gain specified against isotropic

Jim that DC to Daylight is what got me into doing my own baluns. I tried one of the older ham call sign named, store bought balun that covered everything from 160 and up. Well not too good on a solid state radio, might have been ok on a older tube radio like my Johnson rig. I built a voltage 4:1 balun , it was easy and it worked. I then built a current one on a torrid, next on twin torrids with a acrylic spacer and at last twin rod type for the widest range of good SWR readings. I now use it on a multiband loop antenna as my main antenna set up.

Rich , Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21030. PEP

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 09:12:22 UTC
From: jo barden
Topic: 20989 Message: 21030

PEP, this is a good explanation http://vk1od.net/measurement/RfPowerTerms/PEP.htm effectively it is the same as DC in that it deals with RMS values and RMS is the same heating effect as DC.

I would however point out that intensive modes such as RTTY require that the output power be reduced otherwise overheating etc. can occur.

As for Baluns I have made my own, tried them out on the air and dismantled those that were not any good. I have used "cheepo" no name toroids and in all honesty they were utter rubbish. I ended up with all sorts of readings so my advice is to buy named toroids.

Have fun, make antennas and get on the air.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: wa9guu@...
Date: Tue, 6 Dec 2011 23:53:01 -0600
Subject: Re: [ham-antennas] 4:1 Balun winding questions please?

I still have trouble knowing what PEP is. The old DC input was simple.

4000 volts times 250 milliamps equaled 1000 Watts. That was a REAL

killowatt..

[Non-text portions of this message have been removed]

21031. Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 12:25:58 UTC
From: lowpowerop
Topic: 21031 Message: 21031

What is the easiest and safest way of bringing 450 Ladderline into the shack? Can one use two bulkheads for this? I wanted to install those 4" standoff insulators but cannot find them.

21032. AW: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 12:38:35 UTC
From: siegfried.jackstien
Topic: 21031 Message: 21032

Too many ways to skin that cat ... :-)

Brass rods trough wooden block? Or 2 holes in insulating plate in the window
Or do you have a break trough panel in your window (to mount the standoffs
on)???

2 wires trough 2 holes in window frame (only if it is YOUR window)

Some use 2 lengths of coax ... (shield is grounded)

Some use only the inner part of coax (no shield)

You can easy make your own insulators from scrap ... so look in your junkbox
hi hi

We would need some details to help you here ...

Any other wires to bring in the shack???

Should the panel (in the window) made from metal and grounded ??

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von lowpowerop
> Gesendet: Mittwoch, 7. Dezember 2011 12:26
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Bringing ladderline into the shack
>
>
>
> What is the easiest and safest way of bringing 450 Ladderline into the
> shack? Can one use two bulkheads for this? I wanted to install those 4"
> standoff insulators but cannot find them.
>
>
>
>

21033. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 12:49:55 UTC
From: Frank Kirschner
Topic: 21031 Message: 21033

The easiest way is to use a window bulkhead like the MFJ-4600

http://www.mfjenterprises.com/Product.php?productid=MFJ-4600

The next easiest is to look at the picture and description and build one.
If you can find a scrap of a Formica counter top, that would provide you
the basic material. A few threaded rods with washers and nuts, some
weather stripping, and you're in business.

73,
Frank
KF6E

On Wed, Dec 7, 2011 at 7:25 AM, lowpowerop <lowpowerop@...> wrote:

> **
>
>
> What is the easiest and safest way of bringing 450 Ladderline into the
> shack? Can one use two bulkheads for this? I wanted to install those 4"
> standoff insulators but cannot find them.
>

[Non-text portions of this message have been removed]

21034. RE: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 13:51:38 UTC
From: Richard Schmuke
Topic: 20989 Message: 21034

Well I am always happy to answer you, just don't ask me what the mix of the rods are. I got some nice 1/2 inch diameter rods 8 inches long from a friend who got them at a hamfest, they were NOS, packaged well but not marked for mix. I also got some very cheap 10mm dia x 200mm long from a ham in Lithuania, he sell Russian surplus on E-Bay. Rods are cheap but shipping is high. I was making a filament choke for a 4-1000 amp at the time, work great for that also.

You could always try old loopsticks.

Rich, Kd0zz

Subject: Re: [ham-antennas] 4:1 Balun winding questions please?

Great idea. Can you get rods cheaper than the toroids?? And will old AM radio loopsticks work okay?
Larry WA9G
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Tuesday, December 06, 2011 8:25 AM
Subject: RE: [ham-antennas] 4:1 Balun winding questions please?

Some wrap the core or rods because they need more insulation between the wire and core. I only wrap bare rods. You won't need it because of the heavy
insulation provided by the Teflon. Some magnet wire that is designed for motor use has a thin coat, other magnet wire has a much thicker coat.

The number of turns will depend on the wire insulation and core type. When you complete you winding you can do it with , let's say one more winding, then check the resonate frequency of you balun. It would be easier to remove a winding than add one.

A note about winding with Teflon wire, it is a little harder to hold in place than magnet wire. It will spring back or unwind. I use little spring clamps or paper clamps and hold the wire in place, apply some quick set epoxy. When doing a 4:1 current balun a torrid I use little alligator clips
I got at Harbor Freight to hold the spacing until the epoxy dries. On a rod
type I use monofilament fishing line to hold the spacing.

Rich, Kd0zz

Subject: [ham-antennas] 4:1 Balun winding questions please?

I'm going to wind my first 4:1 balun and no matter how much I read I cant find the same answer twice so why not ask. I'm using a T200B-2 core and silver plated Teflon covered wire #16. First question, why do some of the how to's want you to wrap the toroid core in tape and other don't?, secondly, even though all are saying they produce a 4:1 for HF why do the number of turns vary so much? Lastly, when they say 14 or 16 turns I'm assuming they mean "total" turns, both sets of windings, IE (8 on one side
8
on the other)?

DE N8XYN K

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21035. Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 13:57:37 UTC
From: lowpowerop
Topic: 21031 Message: 21035

Sigi,
you gave me some idea's! Window made of aluminum so perhaps I cut a 2"X4" and I can cut out a 2" slot as thin as the ladderline is and slide it through thus giving it a bit of resistance to hold it in place in the 2X4. This would work best. Now the search is on for a tool that can cut that slot. The 2X4 will lay underneath the window itself.

john

--- In ham-antennas@yahoogroups.com, "siegfried.jackstien" <siegfried.jackstien@...>
wrote:
>
> Too many ways to skin that cat ... :-)
>
> Brass rods trough wooden block? Or 2 holes in insulating plate in the window
> Or do you have a break trough panel in your window (to mount the standoffs
> on)???
>
> 2 wires trough 2 holes in window frame (only if it is YOUR window)
>
> Some use 2 lengths of coax ... (shield is grounded)
>
> Some use only the inner part of coax (no shield)
>
> You can easy make your own insulators from scrap ... so look in your junkbox
> hi hi
>
> We would need some details to help you here ...
>
> Any other wires to bring in the shack???
>
> Should the panel (in the window) made from metal and grounded ??
>
>
> Dg9bfc
> Sigi
>

21036. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 14:09:23 UTC
From: Ken
Topic: 21031 Message: 21036

On Dec 7, 2011, at 7:25 AM, lowpowerop wrote:

> What is the easiest and safest way of bringing 450 Ladderline into the shack? Can one use two bulkheads for this? I wanted to install those 4" standoff insulators but cannot find them.

Well if you are using a balun, I would say that the easiest way is to put the balun outside the window and run a short length of coax to the rig.

If you use a board, you should have insulators, especially if you are running high power. If the window has a metal frame, you could arc over to it if you just run the open wire up against the frame.

Right now I'm just closing the vinyl (double hung) window on twin lead but I plan to move the balun outside in the next few days.

Ken WA8JXM

21037. RE: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 15:26:38 UTC
From: Richard Schmuke
Topic: 21031 Message: 21037

OK , now that you have 101 ways to run ladder line in thru your window and you make the board/panel for the feed-thru and close the window on it you will find the top of the window section that you moved is no longer sealed,from the cold air and the ends of your feed thru..Cut a filler strip of wood or plastic and go to your local hardware/home depot, Lowes and buy a tube of Dap brand caulk called -Seal 'n Peel- it is a clear removable caulk for weather stripping. You can put it on this year and if you want to change next week or next year it is easy to remove. It will pull off sort of like a rubber cement.

Rich, Kd0zz

ever and get a tube of,___

[Non-text portions of this message have been removed]

21038. Re: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 15:52:11 UTC
From: Stan Labinsky Jr.
Topic: 20989 Message: 21038

PEP is four times the no-audio carrier power in with symmetrically modulated AM, Larry.

Figure it this way, your 4kV w/ no modulation will rise to 8kV on positive going audio peaks... remember "peak(s)".
The current will also double... I=E/R.
So twice the voltage times twice the current will net out to four times the DC input power - four times the RF power.

The typical solid state SSB/AM rig rated for 150 W. PEP should be set up to deliver one quarter of 150... or 37.5 W. (if I did my math right) when in AM service. Doesn't really sound like all that much, do it? ;-)

Stan

----- Original Message -----
From: Larry Tooley
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 07, 2011 12:53 AM
Subject: Re: [ham-antennas] 4:1 Balun winding questions please?

I still have trouble knowing what PEP is. The old DC input was simple.
4000 volts times 250 milliamps equaled 1000 Watts. That was a REAL
killowatt.
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 06, 2011 9:35 PM
Subject: RE: [ham-antennas] 4:1 Balun winding questions please?

. And just reading the sales pitch doesn't help at all. They all say legal
limit, and DC to daylight! From what I’ve read thus far, that is mostly
under “ideal” circumstances and not the real world, kind of like antenna
gain specified against isotropic

Jim that DC to Daylight is what got me into doing my own baluns. I tried
one of the older ham call sign named, store bought balun that covered
everything from 160 and up. Well not too good on a solid state radio, might
have been ok on a older tube radio like my Johnson rig. I built a voltage
4:1 balun , it was easy and it worked. I then built a current one on a
torrid, next on twin torrids with a acrylic spacer and at last twin rod type
for the widest range of good SWR readings. I now use it on a multiband loop
antenna as my main antenna set up.

Rich , Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21039. Re: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 16:10:27 UTC
From: Jay Jordan
Topic: 21031 Message: 21039

>>Now the search is on for a tool that can cut that slot.<<
John
try a router with long skinny plunge bit, or a dremmel tool with same kind of bit.

Jay NX2C

[Non-text portions of this message have been removed]

21040. Re: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 16:25:24 UTC
From: Ron Youvan
Topic: 20989 Message: 21040

Larry Tooley wrote:

> I still have trouble knowing what PEP is. The old DC input was simple.
> 4000 volts times 250 milliAmps equaled 1000 Watts. That was a REAL
> killoWatt.

Don't complain, that was only 700 or 800 Watts OUT. Our current limit is 1,500 Watts OUT. Just about double what it was.

<<
Peak Envelope Power means the average power supplied to the antenna transmission line by a transmitter during one radio frequency cycle at the crest of the modulation envelope taken under
normal operating conditions.
>>
from : http://vk1od.net/measurement/RfPowerTerms/PEP.htm

PEP for CW is 1,500 Watts OUT "key down."
PEP for SSB is 1,500 Watts OUT at the crest of the modulation envelope
PEP for Am is 1,500 Watts OUT at the crest of the modulation envelope without modulation that is
about 350 Watts of unmodulated carrier. We took a hit there, but since it is a minor used mode
that's OK. We gained elsewhere.

BTW: According to our current rules you can legally operate with the old rules, that is with 1,000
Watts input.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21041. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 16:29:21 UTC
From: Stan Labinsky Jr.
Topic: 21031 Message: 21041

Another thought on bringing in ladder line, LIGHTNING. The suggestion to use a balun and bringing in co-ax will allow you to ground the shield just outside of the dwelling, giving a strike a good path to ground. You DO NOT EVER want to invite the big bang into your house... he's a lousy dinner guest!

Stan

----- Original Message -----
From: Ken
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 07, 2011 9:09 AM
Subject: Re: [ham-antennas] Bringing ladderline into the shack

On Dec 7, 2011, at 7:25 AM, lowpowerop wrote:

> What is the easiest and safest way of bringing 450 Ladderline into the shack? Can one use two bulkheads for this? I wanted to install those 4" standoff insulators but cannot find them.

Well if you are using a balun, I would say that the easiest way is to put the balun outside the window and run a short length of coax to the rig.

If you use a board, you should have insulators, especially if you are running high power. If the window has a metal frame, you could arc over to it if you just run the open wire up against the frame.

Right now I'm just closing the vinyl (double hung) window on twin lead but I plan to move the balun outside in the next few days.

Ken WA8JXM

[Non-text portions of this message have been removed]

21042. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 16:47:20 UTC
From: Ron Youvan
Topic: 21031 Message: 21042

lowpowerop wrote:

> What is the easiest and safest way of bringing 450 Ladder line into the shack? Can one use two
> bulkheads for this? I wanted to install those 4" standoff insulators but cannot find them.

On two short pieces of coax with the shields tied together on both sides of the wall and grounded
on one side of the wall.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21043. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 16:56:45 UTC
From: Artekmedia
Topic: 21031 Message: 21043

Buddy of mine down in Melbourne, FL (center of the lightning capital of the world) with a 100' tower right next to the house took three hits in 5 years. twice it blew holes the size of your fist in the walls of more than one room and he had to have his house completely rewired..After the 3rd strike the insurance companies refused to insure him for lightning related damage anymore :-) . After the 2nd strike his XYL refused to be in the house during a thunder storm and went to a motel with the kids ...after the 3rd strike she divorced him :-)

Ladder line is no more or less susceptible to damage from L-strikes than coax when it comes to a direct hits

Dave
NR1DX

On 12/7/2011 10:29 AM, Stan Labinsky Jr. wrote:
>
> Another thought on bringing in ladder line, LIGHTNING. The suggestion
> to use a balun and bringing in co-ax will allow you to ground the
> shield just outside of the dwelling, giving a strike a good path to
> ground. You DO NOT EVER want to invite the big bang into your house...
> he's a lousy dinner guest!
>
> Stan
>
> ----- Original Message -----
> From: Ken
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, December 07, 2011 9:09 AM
> Subject: Re: [ham-antennas] Bringing ladderline into the shack
>
> On Dec 7, 2011, at 7:25 AM, lowpowerop wrote:
>
> > What is the easiest and safest way of bringing 450 Ladderline into
> the shack? Can one use two bulkheads for this? I wanted to install
> those 4" standoff insulators but cannot find them.
>
> Well if you are using a balun, I would say that the easiest way is to
> put the balun outside the window and run a short length of coax to the
> rig.
>
> If you use a board, you should have insulators, especially if you are
> running high power. If the window has a metal frame, you could arc
> over to it if you just run the open wire up against the frame.
>
> Right now I'm just closing the vinyl (double hung) window on twin lead

> but I plan to move the balun outside in the next few days.
>
> Ken WA8JXM
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21044. Re: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 17:21:02 UTC
From: ka9egw@britewerkz.com
Topic: 21031 Message: 21044

How about a Roto-Zip bit?

73 de KA9EGW

> Sigi,
> you gave me some idea's! Window made of aluminum so perhaps I cut a 2"X4"
> and I can cut out a 2" slot as thin as the ladderline is and slide it
> through thus giving it a bit of resistance to hold it in place in the 2X4.
> This would work best. Now the search is on for a tool that can cut that
> slot. The 2X4 will lay underneath the window itself.
>
> john
>
>
> --- In ham-antennas@yahoogroups.com, "siegfried.jackstien"
> <siegfried.jackstien@...> wrote:
>>
>> Too many ways to skin that cat ... :-)
>>
>> Brass rods trough wooden block? Or 2 holes in insulating plate in the
>> window
>> Or do you have a break trough panel in your window (to mount the
>> standoffs
>> on)???
>>
>> 2 wires trough 2 holes in window frame (only if it is YOUR window)
>>
>> Some use 2 lengths of coax ... (shield is grounded)
>>
>> Some use only the inner part of coax (no shield)
>>
>> You can easy make your own insulators from scrap ... so look in your
>> junkbox
>> hi hi
>>
>> We would need some details to help you here ...
>>
>> Any other wires to bring in the shack???
>>
>> Should the panel (in the window) made from metal and grounded ??
>>
>>
>> Dg9bfc
>> Sigi
>>

>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

21045. Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 17:48:36 UTC
From: fred
Topic: 21031 Message: 21045

I always brought in in under the old fashioned wood double hung windows and closed the window on it , bad weather I unhooked it from the matchbox and tossed it outside .
kd5pnt

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Buddy of mine down in Melbourne, FL (center of the lightning capital of
> the world) with a 100' tower right next to the house took three hits in
> 5 years. twice it blew holes the size of your fist in the walls of more
> than one room and he had to have his house completely rewired..After the
> 3rd strike the insurance companies refused to insure him for lightning
> related damage anymore :-) . After the 2nd strike his XYL refused to be
> in the house during a thunder storm and went to a motel with the kids
> ...after the 3rd strike she divorced him :-)
>
> Ladder line is no more or less susceptible to damage from L-strikes than
> coax when it comes to a direct hits
>
> Dave
> NR1DX
>
>
>
> On 12/7/2011 10:29 AM, Stan Labinsky Jr. wrote:
> >
> > Another thought on bringing in ladder line, LIGHTNING. The suggestion
> > to use a balun and bringing in co-ax will allow you to ground the
> > shield just outside of the dwelling, giving a strike a good path to
> > ground. You DO NOT EVER want to invite the big bang into your house...
> > he's a lousy dinner guest!
> >
> > Stan
> >
> > ----- Original Message -----
> > From: Ken
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Wednesday, December 07, 2011 9:09 AM
> > Subject: Re: [ham-antennas] Bringing ladderline into the shack
> >
> > On Dec 7, 2011, at 7:25 AM, lowpowerop wrote:
> >
> > > What is the easiest and safest way of bringing 450 Ladderline into
> > the shack? Can one use two bulkheads for this? I wanted to install
> > those 4" standoff insulators but cannot find them.
> >

> > Well if you are using a balun, I would say that the easiest way is to
> > put the balun outside the window and run a short length of coax to the
> > rig.
> >
> > If you use a board, you should have insulators, especially if you are
> > running high power. If the window has a metal frame, you could arc
> > over to it if you just run the open wire up against the frame.
> >
> > Right now I'm just closing the vinyl (double hung) window on twin lead
> > but I plan to move the balun outside in the next few days.
> >
> > Ken WA8JXM
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
> [Non-text portions of this message have been removed]
>

21046. Re: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 17:50:17 UTC
From: van wd8aam
Topic: 21031 Message: 21046

I use a circular saw to plunge (start) a blind cut in sheet material
for a slot, just be careful have far you plunge in the blade.
Also a table saw with a small diameter saw blade makes the
same plunge cut, usually a LOT neater, and much more controllable
for depth/slot length.
Van
wd8aam

At 16:10 12/7/2011, you wrote:
>
>
> >>Now the search is on for a tool that can cut that slot.<<
>John
>try a router with long skinny plunge bit, or a
>dremmel tool with same kind of bit.
>
>Jay NX2C
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

21047. Re: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 18:01:12 UTC
From: Frank Kirschner
Topic: 21031 Message: 21047

Roto-Zip might have trouble cutting all the way through a 2 by 4. One option would be to drill a hole through the wood, use a jig saw to cut the slot starting at the hole, and then fill the hole with a dowel. The blade of the jig saw would make a cut just about the right width.

73,
Frank
KF6E

On Wed, Dec 7, 2011 at 12:21 PM, <ka9egw@...> wrote:

> **
>
>
> How about a Roto-Zip bit?
>
> 73 de KA9EGW
>

[Non-text portions of this message have been removed]

21048. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 18:38:58 UTC
From: Ken
Topic: 21031 Message: 21048

On Dec 7, 2011, at 11:56 AM, Artekmedia wrote:

> Ladder line is no more or less susceptible to damage from L-strikes than
> coax when it comes to a direct hits

Lightning is the proverbial 500# canary....it will go anywhere it darn well pleases.

Coax has the advantage of having a good ground (hopefully) within a quarter of an inch. Not that it really matters with a direct strike.

Ken WA8JXM

21049. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 18:45:22 UTC
From: Stan Labinsky Jr.
Topic: 21031 Message: 21049

Hmmm... It would be very interesting to see what Mr. Florida ham had in place to keep his home safe from lightning.

The pros do it all the time; TV and radio stay on the air during the severe lightning storm as do the cell phones and the sheriff's radio system, while the typical ham may not even be aware of what he needs to do.

I've been involved in correcting what otherwise looked like a very nice, very professional looking, commercial installation... 80' tower, 3' leg to leg, etc. A real pro looking job...

BUT, the three ground rods (the only rods) were driven in right next to the concrete base. The cables were not bonded to the tower where they left it to run into the building. The entrance into the building was a joke.

After loosing two radio systems they called us back in (we had warned them several times, but sometimes you got to get hit in the head to listen.)

We added three more rods at the tower, spaced sixteen feet away from the existing. Bonded the cables, added an entrance panel with lightning arrestors (I said the building end was a joke), tied it to several more spaced rods and now it all holds together.

The last call I took from there was to replace a fuse in the PA amp that had failed because the other one in parallel with it (and this from Motorola) failed open leaving its neighbor to handle the whole load.

True, some installations do defy correction... the power comes in on one wall, the telco and cable TV on another and the best run from the antenna farm through another wall. And your shack is on the second floor to boot. A tough situation, but not unfixable. Just costs a lot of dough and some inconvenience while the halo ground and entrance panel are installed.

Stan

----- Original Message -----
From: Artekmedia
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 07, 2011 11:56 AM
Subject: Re: [ham-antennas] Bringing ladderline into the shack

Buddy of mine down in Melbourne, FL (center of the lightning capital of the world) with a 100' tower right next to the house took three hits in 5 years. twice it blew holes the size of your fist in the walls of more than one room and he had to have his house completely rewired..After the 3rd strike the insurance companies refused to insure him for lightning related damage anymore :-) . After the 2nd strike his XYL refused to be in the house during a thunder storm and went to a motel with the kids

...after the 3rd strike she divorced him :-)

Ladder line is no more or less susceptible to damage from L-strikes than coax when it comes to a direct hits

Dave
NR1DX

On 12/7/2011 10:29 AM, Stan Labinsky Jr. wrote:
>
> Another thought on bringing in ladder line, LIGHTNING. The suggestion
> to use a balun and bringing in co-ax will allow you to ground the
> shield just outside of the dwelling, giving a strike a good path to
> ground. You DO NOT EVER want to invite the big bang into your house...
> he's a lousy dinner guest!
>
> Stan
>
> ----- Original Message -----
> From: Ken
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, December 07, 2011 9:09 AM
> Subject: Re: [ham-antennas] Bringing ladderline into the shack
>
> On Dec 7, 2011, at 7:25 AM, lowpowerop wrote:
>
> > What is the easiest and safest way of bringing 450 Ladderline into
> the shack? Can one use two bulkheads for this? I wanted to install
> those 4" standoff insulators but cannot find them.
>
> Well if you are using a balun, I would say that the easiest way is to
> put the balun outside the window and run a short length of coax to the
> rig.
>
> If you use a board, you should have insulators, especially if you are
> running high power. If the window has a metal frame, you could arc
> over to it if you just run the open wire up against the frame.
>
> Right now I'm just closing the vinyl (double hung) window on twin lead
> but I plan to move the balun outside in the next few days.
>
> Ken WA8JXM
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com

PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21050. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 18:52:37 UTC
From: Ken
Topic: 21031 Message: 21050

Stan,

What do you recommend for grounding when there is a layer of bedrock only 3' under the surface?

Ken WA8JXM

On Dec 7, 2011, at 1:45 PM, Stan Labinsky Jr. wrote:

> Hmmm... It would be very interesting to see what Mr. Florida ham had in place to keep his home safe from lightning.
>
> The pros do it all the time; TV and radio stay on the air during the severe lightning storm as do the cell phones and the sheriff's radio system, while the typical ham may not even be aware of what he needs to do.
>
> I've been involved in correcting what otherwise looked like a very nice, very professional looking, commercial installation... 80' tower, 3' leg to leg, etc. A real pro looking job...
>
> BUT, the three ground rods (the only rods) were driven in right next to the concrete base. The cables were not bonded to the tower where they left it to run into the building. The entrance into the building was a joke.
>
> After loosing two radio systems they called us back in (we had warned them several times, but sometimes you got to get hit in the head to listen.)
>
> We added three more rods at the tower, spaced sixteen feet away from the existing. Bonded the cables, added an entrance panel with lightning arrestors (I said the building end was a joke), tied it to several more spaced rods and now it all holds together.
>
> The last call I took from there was to replace a fuse in the PA amp that had failed because the other one in parallel with it (and this from Motorola) failed open leaving its neighbor to handle the whole load.
>
> True, some installations do defy correction... the power comes in on one wall, the telco and cable TV on another and the best run from the antenna farm through another wall. And your shack is on the second floor to boot. A tough situation, but not unfixable. Just costs a lot of dough and some inconvenience while the halo ground and entrance panel are installed.
>
> Stan

21051. Re: Linear loading question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 20:10:22 UTC
From: VE3FMC
Topic: 21023 Message: 21051

What radio and what amp?
Loading a tube amp is very simple if you follow the manual and the instructions for tuning up the amp.
Rick VE3FMC

--- In ham-antennas@yahoogroups.com, "unclegeorgessurplus" <unclegeorgessurplus@...> wrote:
>
> Greetings to the group,
> I would like to fine a well versed work on linear loading that I can as a layman understand, and put to use for ham radio frequencies?
> If anyone knows of the information I seek, please come forward and share with me the location.
> thanks in advance,
> George
>

21052. Re: [ham-antennas] Re: Linear loading question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 20:23:24 UTC
From: dean
Topic: 21023 Message: 21052

Actually when I tune my tube amp (SB-200) I use my key. I just don't hold it for a long time. It tunes up real quick that way. I start out with 20 W on the radio then when its tuned I up the output on the radio to 50 W and tweak the tunning. Real easy.

I know nothing about solid state amps. My friend tunes with his tuner first then the amp is just fine. He has a solid state or SS amp.

73, WY6L

PS you can also put your main question in Google and see what you get from there.

From: VE3FMC
Sent: Wednesday, December 07, 2011 12:10 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Linear loading question

What radio and what amp?
Loading a tube amp is very simple if you follow the manual and the instructions for tuning up the amp.
Rick VE3FMC

--- In mailto:ham-antennas%40yahoogroups.com, "unclegeorgessurplus" <unclegeorgessurplus@...> wrote:
>
> Greetings to the group,
> I would like to fine a well versed work on linear loading that I can as a layman understand, and put to use for ham radio frequencies?
> If anyone knows of the information I seek, please come forward and share with me the location.
> thanks in advance,
> George
>

[Non-text portions of this message have been removed]

21053. Re: [ham-antennas] Re: Linear loading question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 20:26:37 UTC
From: Frank Kirschner
Topic: 21023 Message: 21053

Shows what I know. I thought he meant linear loading of an antenna, as opposed to lumped parameter coils. I was going to recommend this link:

http://www.qsl.net/pa3hbb/ll.htm

If he means loading up a linear amplifier, that link won't help much.

73,
Frank
KF6E

On Wed, Dec 7, 2011 at 3:10 PM, VE3FMC <ve3ldb@...> wrote:

> **
>
>
> What radio and what amp?
> Loading a tube amp is very simple if you follow the manual and the
> instructions for tuning up the amp.
> Rick VE3FMC
>
> --- In ham-antennas@yahoogroups.com, "unclegeorgessurplus"
> <unclegeorgessurplus@...> wrote:
> >
> > Greetings to the group,
> > I would like to fine a well versed work on linear loading that I can as
> a layman understand, and put to use for ham radio frequencies?
> > If anyone knows of the information I seek, please come forward and share
> with me the location.
> > thanks in advance,
> > George
> >
>

[Non-text portions of this message have been removed]

21054. Reference and Idea Books... was Re: 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 20:33:19 UTC
From: James
Topic: 20989 Message: 21054

Hi Rich...

AFAIK, Rich, the ARRL does not have publishing rights to Sevick's "Transmission Line Transformers". They may have published it at one time, maybe in the 80's, but I can't find a record of it. Latest publishers were listed as SCITECH Publishing and Noble Publishing.

There are a couple of copies listed as "New", but the prices are all over the place... which, to me, means no active publication. That being the case, it'll probably show up as an e-book someplace.

The books published by the ARRL are usually very reasonable in price. If you compare the price, and then look for a comparable technical book for a college level course, you'd be in for a very rude awakening. Last child just out of college... cost of textbooks averaged $1000/semester.

Another place to look for tech books is the publishers of the monthly online antenna magazine... antennex.com. Some are available printed, but most are ebooks available for either download or as a cd rom; I've been happy with my purchases. Topics are mostly antenna related, but they have do carry other tech books. Some are translations from other languages... I'd like to see more of these. Purchased the antenna modeling books by Cebik earlier this year... good material!

.....Just visited there and they are selling an updated version of "The RF Desk Reference", by Harold Kinley, WA4GIB... always something "new".

However, I, like many others, have a problem when it comes to antenna related books.... you just can't have 1, or 2, or 3 or..... !

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
>
>
> Jim
>
> For Xmas you might want to ask the XYL to get you a copy "Transmission
> Line Transformers" , by Jerry Sevick , W2FMI (deceased). Probably one of
> the most informative, exhaustive practical books on the subject
>
> . I bought my copy 10+ years ago and it was only $20 ..I See ARRL is now
> selling it for $75 !!!!! (which I think .... are you listening ARRL?
> .... is a bit unrealistic) , likely you may find a less expensive copy
> on Evil-Bay or that book seller named after a large river in South America
>

> That is a good book but now that it is out of print the price seems to track with the price of a ounce of gold. You can still get Jerry Sevick , W2FMI book â□□ Understanding Building and Using Baluns and Ununsâ□□ for less than $20 from several places. It will have everything you need, it is still in publication. It does not get into the depth of the math theory as deep but if you want to build and not just study numbers it is what you need. It covers 1:1 up to 12:1 and everything in between. I have it and would highly recommend it. I got mine from,
>
> http://www.universal-radio.com/catalog/books/0558.html
>
>
>
> Rich , KDÃ□ZZ , â□º
>
>
>
> Reality is the leading cause of stress amongst those in touch with it."
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21055. Fwd: Re: [ham-antennas] Re: Linear loading question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 20:43:09 UTC
From: Ron Youvan
Topic: 21055 Message: 21055

Rick VE3FMC VE3FMC wrote: (Direct mail failed!)

> What radio and what amp?
> Loading a tube amp is very simple if you follow the manual and the instructions for tuning up the amp.

> <unclegeorgessurplus@...> wrote:

> > Greetings to the group,
> > I would like to fine a well versed work on linear loading that I can as a layman understand, and
> put to use for ham radio frequencies?
> > If anyone knows of the information I seek, please come forward and share with me the location.
> > thanks in advance,
> > George

"linear loading" is an antenna technique used to shorten an antenna element without using loading
coils with the same effect. It looks to simple to believe it works.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21056. Re: [ham-antennas] 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 20:51:17 UTC
From: Larry Tooley
Topic: 20989 Message: 21056

I get it. Thanks.
----- Original Message -----
From: Stan Labinsky Jr.
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 07, 2011 9:52 AM
Subject: Re: [ham-antennas] 4:1 Balun winding questions please?

PEP is four times the no-audio carrier power in with symmetrically
modulated AM, Larry.

Figure it this way, your 4kV w/ no modulation will rise to 8kV on positive
going audio peaks... remember "peak(s)".
The current will also double... I=E/R.
So twice the voltage times twice the current will net out to four times
the DC input power - four times the RF power.

The typical solid state SSB/AM rig rated for 150 W. PEP should be set up
to deliver one quarter of 150... or 37.5 W. (if I did my math right) when in
AM service. Doesn't really sound like all that much, do it? ;-)

Stan

----- Original Message -----
From: Larry Tooley
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 07, 2011 12:53 AM
Subject: Re: [ham-antennas] 4:1 Balun winding questions please?

I still have trouble knowing what PEP is. The old DC input was simple.
4000 volts times 250 milliamps equaled 1000 Watts. That was a REAL
killowatt.
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 06, 2011 9:35 PM
Subject: RE: [ham-antennas] 4:1 Balun winding questions please?

. And just reading the sales pitch doesn't help at all. They all say legal
limit, and DC to daylight! From what I’ve read thus far, that is mostly
under “ideal” circumstances and not the real world, kind of like antenna
gain specified against isotropic

Jim that DC to Daylight is what got me into doing my own baluns. I tried
one of the older ham call sign named, store bought balun that covered
everything from 160 and up. Well not too good on a solid state radio,
might
have been ok on a older tube radio like my Johnson rig. I built a voltage

4:1 balun , it was easy and it worked. I then built a current one on a
torrid, next on twin torrids with a acrylic spacer and at last twin rod
type
for the widest range of good SWR readings. I now use it on a multiband
loop
antenna as my main antenna set up.

Rich , Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21057. Re: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 21:19:34 UTC
From: Ken Burchfield
Topic: 21031 Message: 21057

I have not seen all the options so did someone say to check this for
Ideas?http://www.mfjenterprises.com/Product.php?productid=MFJ-4602
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: "ka9egw@britewerkz.com" <ka9egw@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 7, 2011 11:21 AM
Subject: Re: [ham-antennas] Re: Bringing ladderline into the shack

How about a Roto-Zip bit?

73 de KA9EGW

> Sigi,
> you gave me some idea's! Window made of aluminum so perhaps I cut a 2"X4"
> and I can cut out a 2" slot as thin as the ladderline is and slide it
> through thus giving it a bit of resistance to hold it in place in the 2X4.
> This would work best. Now the search is on for a tool that can cut that
> slot. The 2X4 will lay underneath the window itself.
>
> john
>
>
> --- In ham-antennas@yahoogroups.com, "siegfried.jackstien"
> <siegfried.jackstien@...> wrote:
>>
>> Too many ways to skin that cat ... :-)
>>
>> Brass rods trough wooden block? Or 2 holes in insulating plate in the
>> window
>> Or do you have a break trough panel in your window (to mount the
>> standoffs
>> on)???
>>
>> 2 wires trough 2 holes in window frame (only if it is YOUR window)
>>
>> Some use 2 lengths of coax ... (shield is grounded)
>>
>> Some use only the inner part of coax (no shield)
>>
>> You can easy make your own insulators from scrap ... so look in your
>> junkbox
>> hi hi

>>
>> We would need some details to help you here ...
>>
>> Any other wires to bring in the shack???
>>
>> Should the panel (in the window) made from metal and grounded ??
>>
>>
>> Dg9bfc
>> Sigi
>>
>
>
>
>

[Non-text portions of this message have been removed]

21058. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 21:24:33 UTC
From: Ken Burchfield
Topic: 21031 Message: 21058

You may get some idea from this commercial
unit.http://www.mfjenterprises.com/Product.php?productid=MFJ-4602
73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: Ron Youvan <ka4inm@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 7, 2011 10:47 AM
Subject: Re: [ham-antennas] Bringing ladderline into the shack

lowpowerop wrote:

> What is the easiest and safest way of bringing 450 Ladder line into the shack? Can one use two
> bulkheads for this? I wanted to install those 4" standoff insulators but cannot find them.

On two short pieces of coax with the shields tied together on both sides of the wall and grounded
on one side of the wall.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

21059. RE: [ham-antennas] Reference and Idea Books... was Re: 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 21:24:41 UTC
From: Richard Schmuke
Topic: 20989 Message: 21059

James because of what you ran into I recommend, Understanding Building and Using Baluns and Unun for just under $20. As I said I have it and would highly recommend it. I got mine from http://www.universal-radio.com/catalog/books/0558.html

, I did not recommend the other book or the ARRL.

Rich, Kd0zz

Subject: [ham-antennas] Reference and Idea Books... was Re: 4:1 Balun winding questions please?

Hi Rich...

AFAIK, Rich, the ARRL does not have publishing rights to Sevick's "Transmission Line Transformers". They may have published it at one time, maybe in the 80's, but I can't find a record of it. Latest publishers were listed as SCITECH Publishing and Noble Publishing.

There are a couple of copies listed as "New", but the prices are all over the place... which, to me, means no active publication. That being the case, it'll probably show up as an e-book someplace.

The books published by the ARRL are usually very reasonable in price. If you compare the price, and then look for a comparable technical book for a college level course, you'd be in for a very rude awakening. Last child just out of college... cost of textbooks averaged $1000/semester.

Another place to look for tech books is the publishers of the monthly online antenna magazine... antennex.com. Some are available printed, but most are ebooks available for either download or as a cd rom; I've been happy with my purchases. Topics are mostly antenna related, but they have do carry other tech books. Some are translations from other languages... I'd like to see more of these. Purchased the antenna modeling books by Cebik earlier this year... good material!

.....Just visited there and they are selling an updated version of "The RF Desk Reference", by Harold Kinley, WA4GIB... always something "new".

However, I, like many others, have a problem when it comes to antenna related books.... you just can't have 1, or 2, or 3 or..... !

Jim, K9JFK

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
>
>
>

> Jim
>
> For Xmas you might want to ask the XYL to get you a copy "Transmission
> Line Transformers" , by Jerry Sevick , W2FMI (deceased). Probably one of
> the most informative, exhaustive practical books on the subject
>
> . I bought my copy 10+ years ago and it was only $20 ..I See ARRL is now
> selling it for $75 !!!!! (which I think .... are you listening ARRL?
> .... is a bit unrealistic) , likely you may find a less expensive copy
> on Evil-Bay or that book seller named after a large river in South America
>
> That is a good book but now that it is out of print the price seems to track with the price of a ounce of gold. You can still get Jerry Sevick , W2FMI book â€œ Understanding Building and Using Baluns and Ununsâ€□ for less than $20 from several places. It will have everything you need, it is still in publication. It does not get into the depth of the math theory as deep but if you want to build and not just study numbers it is what you need. It covers 1:1 up to 12:1 and everything in between. I have it and would highly recommend it. I got mine from,
>
> http://www.universal-radio.com/catalog/books/0558.html
>
>
>
> Rich , KDÃ˜ZZ , â˜º
>
>
>
> Reality is the leading cause of stress amongst those in touch with it."
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

21060. AW: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 21:43:37 UTC
From: siegfried.jackstien
Topic: 21031 Message: 21060

^take your 2x4 ... make two holes in it with distance of ladderline

Route 2 wires trough it
Or luxury style take two brass rods with nuts and washers and put them in the holes ... no need to cut a slot

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von lowpowerop
> Gesendet: Mittwoch, 7. Dezember 2011 13:58
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Bringing ladderline into the shack
>
>
>
> Sigi,
> you gave me some idea's! Window made of aluminum so perhaps I cut a 2"X4"
> and I can cut out a 2" slot as thin as the ladderline is and slide it
> through thus giving it a bit of resistance to hold it in place in the 2X4.
> This would work best. Now the search is on for a tool that can cut that
> slot. The 2X4 will lay underneath the window itself.
>
> john
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "siegfried.jackstien"
> <siegfried.jackstien@...> wrote:
> >
> > Too many ways to skin that cat ... :-)
> >
> > Brass rods trough wooden block? Or 2 holes in insulating plate in the
> window
> > Or do you have a break trough panel in your window (to mount the
> standoffs
> > on)???
> >
> > 2 wires trough 2 holes in window frame (only if it is YOUR window)
> >
> > Some use 2 lengths of coax ... (shield is grounded)
> >
> > Some use only the inner part of coax (no shield)
> >
> > You can easy make your own insulators from scrap ... so look in your

> junkbox
> > hi hi
> >
> > We would need some details to help you here ...
> >
> > Any other wires to bring in the shack???
> >
> > Should the panel (in the window) made from metal and grounded ??
> >
> >
> > Dg9bfc
> > Sigi
> >
>
>
>
>

21061. Re: AW: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 22:00:48 UTC
From: Ken
Topic: 21031 Message: 21061

#1 - the National Electric Code requires either insulators or coax (at least it used to, I assume it still does)

#2 - a bare 2x4 will absorb water and be a poor insulator when it rains. If you are going to ignore #1, at least use some heavily insulated wire (like RG-8 coax center conductor) for going through the 2x4.

Ken WA8JXM

On Dec 7, 2011, at 4:43 PM, siegfried.jackstien wrote:

> ^take your 2x4 ... make two holes in it with distance of ladderline
>
> Route 2 wires trough it
> Or luxury style take two brass rods with nuts and washers and put them in
> the holes ... no need to cut a slot

21062. Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 22:14:20 UTC
From: lowpowerop
Topic: 21031 Message: 21062

Great tip Rich. Thanks for the details.

john

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
>
>
>
>
> OK , now that you have 101 ways to run ladder line in thru your window and
> you make the board/panel for the feed-thru and close the window on it you
> will find the top of the window section that you moved is no longer
> sealed,from the cold air and the ends of your feed thru..Cut a filler strip
> of wood or plastic and go to your local hardware/home depot, Lowes and buy a
> tube of Dap brand caulk called -Seal 'n Peel- it is a clear removable caulk
> for weather stripping. You can put it on this year and if you want to change
> next week or next year it is easy to remove. It will pull off sort of like a
> rubber cement.
>
> Rich, Kd0zz
>
> ever and get a tube of,___
>
>
>
> [Non-text portions of this message have been removed]
>

21063. Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 22:17:09 UTC
From: lowpowerop
Topic: 21031 Message: 21063

Before I saw this I went to Loews Home Improvement and purchased a dremel tool that saws and cut the slot out on the board for the ladderline. I was not very impressed with this tool and it jumps around on the board in the beginning so don't think I will use it for the application you are speaking of Van.

john

--- In ham-antennas@yahoogroups.com, van wd8aam <vlincoln@...> wrote:
>
> I use a circular saw to plunge (start) a blind cut in sheet material
> for a slot, just be careful have far you plunge in the blade.
> Also a table saw with a small diameter saw blade makes the
> same plunge cut, usually a LOT neater, and much more controllable
> for depth/slot length.
> Van
> wd8aam

21064. Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 22:19:29 UTC
From: lowpowerop
Topic: 21031 Message: 21064

Read the reviews on eham and that speaks for itself.
73
john

--- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@...> wrote:
>
> I have not seen all the options so did someone say to check this for
Ideas?http://www.mfjenterprises.com/Product.php?productid=MFJ-4602
> 73 Ken

21065. Re: Re: [ham-antennas] Re: Linear loading question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-07 22:44:31 UTC
From: Richard Solomon
Topic: 21055 Message: 21065

Look at the "Shorty-Forty" by Hy-Gain (the 402BA).

73, Dick, W1KSZ

On Wed, Dec 7, 2011 at 1:43 PM, Ron Youvan <ka4inm@...> wrote:

> **
>
>
> Rick VE3FMC VE3FMC wrote: (Direct mail failed!)
>
> > What radio and what amp?
> > Loading a tube amp is very simple if you follow the manual and the
> instructions for tuning up the amp.
>
> > <unclegeorgessurplus@...> wrote:
>
> > > Greetings to the group,
> > > I would like to fine a well versed work on linear loading that I can
> as a layman understand, and
> > put to use for ham radio frequencies?
> > > If anyone knows of the information I seek, please come forward and
> share with me the location.
> > > thanks in advance,
> > > George
>
> "linear loading" is an antenna technique used to shorten an antenna
> element without using loading
> coils with the same effect. It looks to simple to believe it works.
> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>
>

[Non-text portions of this message have been removed]

21066. Re: AW: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 00:23:36 UTC
From: Ron Youvan
Topic: 21031 Message: 21066

Ken WA8JXM wrote:

> #1 - the National Electric Code requires either insulators or coax (at least it used to, I assume it
> still does)

> #2 - a bare 2x4 will absorb water and be a poor insulator when it rains. If you are going to ignore
> #1, at least use some heavily insulated wire (like RG-8 coax center conductor) for going through the
> 2x4.

Or run two equal lengths of coax through two holes and calk them in.
Solder the two shields together at both ends and ground them on one end.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21067. Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 00:28:29 UTC
From: pchapman920
Topic: 21031 Message: 21067

Every once in a while seems as tho MFJ has something that no one does, and it works. I do not have an issue needing one of these now, but it certainly would have been handy several years ago.

--- In ham-antennas@yahoogroups.com, "lowpowerop" <lowpowerop@...> wrote:
>
> Read the reviews on eham and that speaks for itself.
> 73
> john
>
> --- In ham-antennas@...m, Ken Burchfield <k5jxl@> wrote:
> >
> > I have not seen all the options so did someone say to check this for
Ideas?http://www.mfjenterprises.com/Product.php?productid=MFJ-4602
> > 73 Ken
>

21068. Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 00:47:46 UTC
From: AB2ZY
Topic: 21031 Message: 21068

I'm in the middle of getting this house ready to sell. One of the last big projects was my office/shack. New floor and patch/paint the walls. That meant the hole through the exterior wall for the coax cables had to go.

Normally I'd probably make something like this but I have no time for ham projects right now and I didn't want to decommission this QTH yet. For $60 and literally 10 minutes of installation time I was back on the air the same night I moved the furniture and equipment back into the room.

Already have a hole through the wall in the new house and the windows there are all casements anyway. I'm sure it'll make it's way to a flea market some time in the future.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> Every once in a while seems as tho MFJ has something that no one does, and it works. I do not have an issue needing one of these now, but it certainly would have been handy several years ago.
>
> --- In ham-antennas@yahoogroups.com, "lowpowerop" <lowpowerop@> wrote:
> >
> > Read the reviews on eham and that speaks for itself.
> > 73
> > john
> >
> > --- In ham-antennas@yahoogroups.com, Ken Burchfield <k5jxl@> wrote:
> > >
> > > I have not seen all the options so did someone say to check this for Ideas?http://www.mfjenterprises.com/Product.php?productid=MFJ-4602
> > > 73 Ken
> > >
>

21069. Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 00:48:34 UTC
From: lowpowerop
Topic: 21031 Message: 21069

I should take another look at those. Thanks.

--- In ham-antennas@yahoogroups.com, "pchapman920" <p_chap@...> wrote:
>
> Every once in a while seems as tho MFJ has something that no one does, and it works. I do not have an issue needing one of these now, but it certainly would have been handy several years ago.
>

21070. Re: AW: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 00:50:23 UTC
From: Richard Solomon
Topic: 21031 Message: 21070

What about these ? Mounted on a piece of Lucite (or something like it) cut
to fit
your window opening ??

http://www.ebay.com/itm/FEED-THRU-Insulator-4-Inch-Price-2-/320628892282?pt=LH_DefaultDomain_2&hash=item4aa6f8a27a

73, Dick, W1KSZ

On Wed, Dec 7, 2011 at 5:23 PM, Ron Youvan <ka4inm@tampabay.rr.com> wrote:

> **
>
>
> Ken WA8JXM wrote:
>
> > #1 - the National Electric Code requires either insulators or coax (at
> least it used to, I assume it
> > still does)
>
> > #2 - a bare 2x4 will absorb water and be a poor insulator when it rains.
> If you are going to ignore
> > #1, at least use some heavily insulated wire (like RG-8 coax center
> conductor) for going through the
> > 2x4.
>
> Or run two equal lengths of coax through two holes and calk them in.
> Solder the two shields together at both ends and ground them on one end.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>

[Non-text portions of this message have been removed]

21071. [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 00:53:50 UTC
From: lowpowerop
Topic: 21031 Message: 21071

Now that is what I have been looking for. Made calls to various vendors and no one has them. Thanks Dick.

Want to thank all for all the helpful replies that have come my way. Nice group.

john

--- In ham-antennas@yahoogroups.com, Richard Solomon <dickw1ksz@...> wrote:
>
> What about these ? Mounted on a piece of Lucite (or something like it) cut
> to fit
> your window opening ??
>
> http://www.ebay.com/itm/FEED-THRU-Insulator-4-Inch-Price-2-/320628892282?pt=LH_DefaultDomain_2&hash=item4aa6f8a27a
>
> 73, Dick, W1KSZ

21072. Re: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 00:59:41 UTC
From: Richard Solomon
Topic: 21031 Message: 21072

Surplus Sales of Nebraska has several rather pricey items also.

I find the ones I need at Flea Markets, usually for around $1 each.

73, Dick, W1KSZ

On Wed, Dec 7, 2011 at 5:53 PM, lowpowerop <lowpowerop@...> wrote:

> **
>
>
> Now that is what I have been looking for. Made calls to various vendors
> and no one has them. Thanks Dick.
>
> Want to thank all for all the helpful replies that have come my way. Nice
> group.
>
> john
>
> --- In ham-antennas@yahoogroups.com, Richard Solomon <dickw1ksz@...>
> wrote:
> >
> > What about these ? Mounted on a piece of Lucite (or something like it)
> cut
> > to fit
> > your window opening ??
> >
> >
> http://www.ebay.com/itm/FEED-THRU-Insulator-4-Inch-Price-2-/320628892282?pt=LH_DefaultDo
main_2&hash=item4aa6f8a27a
> >
> > 73, Dick, W1KSZ
>
>
>

[Non-text portions of this message have been removed]

21073. Re: [ham-antennas] Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 00:46:07 UTC
From: stanbarb
Topic: 21031 Message: 21073

If that were my situation, Ken, I'd cut the rods to length and run multiple runs of copper, like radials under a vertical.

The rule of thumb for rod spacing is twice the depth... 16 feet for 8 foot rods, but I'd probably go... say eight feet between the shorter rods, linearly and side to side. Mainly the strike needs to be spread out over the greatest area to allow it to dissipate.

I've seen write-ups for stations sited on mountain tops with nothing but rock for a base. I think they go for capacitive coupling to the earth to do the job. But, the whole station needs to be contained in a kind of electrical bubble. All the services enter the facility through ONE and ONLY one entrance point. That way, the whole site jumps to a potential but the contained equipment feels nothing. Having multiple unbonded entrance points allows differential current to flow though the equipment (or the house) with painful results.

Stan

----- Original Message -----
From: Ken
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 07, 2011 1:52 PM
Subject: Re: [ham-antennas] Bringing ladderline into the shack

Stan,

What do you recommend for grounding when there is a layer of bedrock only 3' under the surface?

Ken WA8JXM

On Dec 7, 2011, at 1:45 PM, Stan Labinsky Jr. wrote:

> Hmmm... It would be very interesting to see what Mr. Florida ham had in place to keep his home safe from lightning.
>
> The pros do it all the time; TV and radio stay on the air during the severe lightning storm as do the cell phones and the sheriff's radio system, while the typical ham may not even be aware of what he needs to do.
>
> I've been involved in correcting what otherwise looked like a very nice, very professional looking, commercial installation... 80' tower, 3' leg to leg, etc. A real pro looking job...
>
> BUT, the three ground rods (the only rods) were driven in right next to the concrete base. The cables were not bonded to the tower where they left it to run into the building. The entrance into the building was a joke.
>
> After loosing two radio systems they called us back in (we had warned them several times,

but sometimes you got to get hit in the head to listen.)
>
> We added three more rods at the tower, spaced sixteen feet away from the existing. Bonded the cables, added an entrance panel with lightning arrestors (I said the building end was a joke), tied it to several more spaced rods and now it all holds together.
>
> The last call I took from there was to replace a fuse in the PA amp that had failed because the other one in parallel with it (and this from Motorola) failed open leaving its neighbor to handle the whole load.
>
> True, some installations do defy correction... the power comes in on one wall, the telco and cable TV on another and the best run from the antenna farm through another wall. And your shack is on the second floor to boot. A tough situation, but not unfixable. Just costs a lot of dough and some inconvenience while the halo ground and entrance panel are installed.
>
> Stan

[Non-text portions of this message have been removed]

21074. Re: AW: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 01:12:00 UTC
From: Ken
Topic: 21031 Message: 21074

Those would work fine, but if you have Lucite/plexiglas for the window, you can go right through it without an insulator. Plexiglas is a good insulator itself, of course.

Actually, our basement windows had plexiglas in them when we bought the house and I just drilled holes through that.

Ken WA8JXM

On Dec 7, 2011, at 7:50 PM, Richard Solomon wrote:

> What about these ? Mounted on a piece of Lucite (or something like it) cut
> to fit
> your window opening ??
>
> http://www.ebay.com/itm/FEED-THRU-Insulator-4-Inch-Price-2-/320628892282?pt=LH_DefaultDomain_2&hash=item4aa6f8a27a
>
> 73, Dick, W1KSZ

21075. [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 01:30:02 UTC
From: lowpowerop
Topic: 21031 Message: 21075

What is the advantage of using the 4" feed thru insulators over cutting a slot in a piece of 2"X4" and running the ladderline through it? Lightning protection?

john

--- In ham-antennas@yahoogroups.com, Ken <wa8jxm@...> wrote:
>
> Those would work fine, but if you have Lucite/plexiglas for the window, you can go right through it without an insulator. Plexiglas is a good insulator itself, of course.
>
> Actually, our basement windows had plexiglas in them when we bought the house and I just drilled holes through that.
>
> Ken WA8JXM

21076. Re: [ham-antennas] Reference and Idea Books... was Re: 4:1 Balun winding questions please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 01:32:11 UTC
From: van wd8aam
Topic: 20989 Message: 21076

I just purchased a copy of Sevicks
'Transmission Line Transformers'
from Amazon.com and a bookstore they carry.
It was the ARRL version, LEATHER-bound, used condition-Good,
for $1.23 + $3.99 shipping.

They have several more used ones for under $10.00
Just search in the books category for the title, and select used,
and they will pop-up.

Van
wd8aam

At 20:33 12/7/2011, you wrote:
>
>
>Hi Rich...
>
>AFAIK, Rich, the ARRL does not have publishing
>rights to Sevick's "Transmission Line
>Transformers". They may have published it at one
>time, maybe in the 80's, but I can't find a
>record of it. Latest publishers were listed as
>SCITECH Publishing and Noble Publishing.
>
>There are a couple of copies listed as "New",
>but the prices are all over the place... which,
>to me, means no active publication. That being
>the case, it'll probably show up as an e-book someplace.
>
>The books published by the ARRL are usually very
>reasonable in price. If you compare the price,
>and then look for a comparable technical book
>for a college level course, you'd be in for a
>very rude awakening. Last child just out of
>college... cost of textbooks averaged $1000/semester.
>
>Another place to look for tech books is the
>publishers of the monthly online antenna
>magazine... antennex.com. Some are available
>printed, but most are ebooks available for
>either download or as a cd rom; I've been happy
>with my purchases. Topics are mostly antenna
>related, but they have do carry other tech

>books. Some are translations from other
>languages... I'd like to see more of these.
>Purchased the antenna modeling books by Cebik
>earlier this year... good material!
>
>.....Just visited there and they are selling an
>updated version of "The RF Desk Reference", by
>Harold Kinley, WA4GIB... always something "new".
>
>However, I, like many others, have a problem
>when it comes to antenna related books.... you
>just can't have 1, or 2, or 3 or..... !
>
>Jim, K9JFK
>
>--- In
><mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com,
>"Richard Schmuke" <rdj@...> wrote:
> >
> >
> >
> > Jim
> >
> > For Xmas you might want to ask the XYL to get you a copy "Transmission
> > Line Transformers" , by Jerry Sevick , W2FMI (deceased). Probably one of
> > the most informative, exhaustive practical books on the subject
> >
> > . I bought my copy 10+ years ago and it was only $20 ..I See ARRL is now
> > selling it for $75 !!!!! (which I think .... are you listening ARRL?
> > .... is a bit unrealistic) , likely you may find a less expensive copy
> > on Evil-Bay or that book seller named after a large river in South America
> >
> > That is a good book but now that it is out of
> print the price seems to track with the price
> of a ounce of gold. You can still get Jerry
> Sevick , W2FMI book â☐☐ Understanding Building
> and Using Baluns and Ununsâ☐☐ for less than $20
> from several places. It will have everything
> you need, it is still in publication. It does
> not get into the depth of the math theory as
> deep but if you want to build and not just
> study numbers it is what you need. It covers
> 1:1 up to 12:1 and everything in between. I
> have it and would highly recommend it. I got mine from,
> >
> >
> <http://www.universal-radio.com/catalog/books/0558.html>http://www.universal-radio.com/catalog/books/0558.html
> >
> >

> >
> > Rich , KDÃ□ZZ , â□º
> >
> >
> >
> > Reality is the leading cause of stress amongst those in touch with it."
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

[Non-text portions of this message have been removed]

21077. Re: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 01:47:14 UTC
From: Ken
Topic: 21031 Message: 21077

On Dec 7, 2011, at 8:30 PM, lowpowerop wrote:

> What is the advantage of using the 4" feed thru insulators over cutting a slot in a piece of 2"X4" and running the ladderline through it? Lightning protection?

National Electric Code specifies either coax or insulators when going through a wall. I guess ladder line would be okay "insulation" at lower power although I do not know whether or not it would satisfy the NEC. Technically, I would think not. At higher power, I believe you need a gap to combustible materials (wood).

Probably a insignificant issue but you would probably have an impedance bump when the wood got wet.

Ken WA8JXM

21078. Re: Linear loading question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 02:02:05 UTC
From: unclegeorgessurplus
Topic: 21023 Message: 21078

Greetings,
Of course Frank, you were correct, I was referring to linear loading antennas as this is an antenna group?
Again, any info related to antenna linear loading would be appreciated.
Await your replies.
thanks in advance,
George

--- In ham-antennas@yahoogroups.com, Frank Kirschner <frank@...> wrote:
>
> Shows what I know. I thought he meant linear loading of an antenna, as
> opposed to lumped parameter coils. I was going to recommend this link:
>
> http://www.qsl.net/pa3hbb/ll.htm
>
> If he means loading up a linear amplifier, that link won't help much.
>
> 73,
> Frank
> KF6E
>
> On Wed, Dec 7, 2011 at 3:10 PM, VE3FMC <ve3ldb@...> wrote:
>
> > **
> > >
> > >
> > What radio and what amp?
> > Loading a tube amp is very simple if you follow the manual and the
> > instructions for tuning up the amp.
> > Rick VE3FMC
> > >
> > --- In ham-antennas@yahoogroups.com, "unclegeorgessurplus"
> > <unclegeorgessurplus@> wrote:
> > > >
> > > Greetings to the group,
> > > I would like to fine a well versed work on linear loading that I can as
> > a layman understand, and put to use for ham radio frequencies?
> > > If anyone knows of the information I seek, please come forward and share
> > with me the location.
> > > thanks in advance,
> > > George
> > > >
> > >
>
>

> [Non-text portions of this message have been removed]
>

21079. Re: AW: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 02:34:52 UTC
From: Ron Youvan
Topic: 21031 Message: 21079

Ken WA8JXM wrote:

> Those would work fine, but if you have Lucite/plexiglas for the window, you can go right through it
> without an insulator. Plexiglas is a good insulator itself, of course.

> Actually, our basement windows had Plexiglas in them when we bought the house and I just drilled
> holes through that.

I have successfully removed the glass, replaced it with Plexiglas, run the wire though it, years
later I removed the Plexiglas, and re-glazed the window with the original glass.
My pappy taught me how to glaze windows when I was a lad.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21080. Antenna Mast

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 03:03:29 UTC
From: Benjamin Straw
Topic: 4830 Message: 21080

Hey guys I have a question I got my hands on five, six foot Lay-up Sticks (
http://www.jamesonllc.com/construction/products/overhead---aerial-construction-tools/fiberglass-lay-up-sticks-pruner-poles
).
I am currently using three of them as a mast attached to my house. My current antenna is a home made ground plane, which is on top of a 3 foot long PVC pipe. The pipe is attached to the lay-up sitck via hose clamps. I'm planning on putting a new antenna this week and am worried about the aluminum tip on the lay, should I cut it off before attaching the new antenna? Or do you think it will be fine?
Thank You, Ben

--
73, Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

21081. Modeling

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 03:36:17 UTC
From: kd8dvy@ymail.com
Topic: 21081 Message: 21081

Hello all,

I have tried to use EZNEC that came with the ARRL antenna book and I have tried the MMANA-Gal (Hope that's right).

As an amateur operator I am not an appliance operator and I have tried to model my antenna myself, which I think I did right, and that is where my dilemma comes in. I was wondering if I could set up a sched with someone that could talk me through either one or both the programs so that I can model my doublet.

Harold/KD8DVY

21082. Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 03:56:42 UTC
From: KA9EGW
Topic: 21031 Message: 21082

If I was going to make such a feedthrough panel, rather than wood [even ash or oak requires regular painting and maintenance], I would use one of those picnic table/decking planks made out of recycled bleach bottles [I think] from the "big orange box store". Perhaps slightly spendy, but one 8-footer ought to be good for a couple lifetimes.

Since I own my home [or rather the mortgage holder and tax collector let me cling to that delusion HI HI] and the house has old cheap-when-new-30-years-ago single-pane vinyl replacement windows inside the original 100-year-old wooden window casings, and since the el-cheapo vinyl windows are slated for re-replacement anyway, in the meantime I just drill the original wooden window frame with an aircraft extension drill [and a big smile at the lack of landlord or property manager or HOA to object].

The original wooden casings will be aluminum-wrapped when we get our new windows, so "all sins will covered". There are a number of Amish craftsmen in the replacement window business in southern Wisconsin who manufacture the vinyl-frame replacement windows they sell and install to your order; shouldn't be any reason I can't get one made with a tall top frame when the time comes for new windows. Even if the original windows were in good shape it wouldn't be difficult to pull a few nails, pull the rails and remove the sashes, essentially disassemble them in place and pop in a vinyl replacement inside the wooden casing as described; then I could always reassemble the original window sashes back in place when it came time to sell the house.

But then, I am extremely fortunate, my YL/future-XYL doesn't care where I drill or whatever, ever since I bored 5 each 1-1/4" holes in the living room floor for her monster aquarium's plumbing to the filter sump in the basement; when the plaster is replaced the pipes will run inside the wall behind a removable panel of wainscoting. Thank Providence for balloon framing with it's 20-foot-plus wall studs rather than the newer stack-wall-on-top-of-floor kind...rebuilding a hundred-year-old foreclosure can definitely be a royal PITA but it DOES have it's advantages...

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ken
Sent: Wednesday, December 07, 2011 4:01 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Re: Bringing ladderline into the shack

#1 - the National Electric Code requires either insulators or coax (at least it used to, I assume it still does)

#2 - a bare 2x4 will absorb water and be a poor insulator when it rains.
If you are going to ignore #1, at least use some heavily insulated wire
(like RG-8 coax center conductor) for going through the 2x4.

Ken WA8JXM

On Dec 7, 2011, at 4:43 PM, siegfried.jackstien wrote:

> ^take your 2x4 ... make two holes in it with distance of ladderline
>
> Route 2 wires trough it
> Or luxury style take two brass rods with nuts and washers and put them
> in the holes ... no need to cut a slot

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21083. RE: [ham-antennas] Modeling

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 03:59:10 UTC
From: KA9EGW
Topic: 21081 Message: 21083

I've used ARRL EZ-NEC 2010 to model my OCF. Not difficult, be glad to talk you through it. Email me offlist
73, Brian ka9egw at britewerkz dot com

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of kd8dvy@...
Sent: Wednesday, December 07, 2011 9:36 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Modeling

Hello all,

I have tried to use EZNEC that came with the ARRL antenna book and I have tried the MMANA-Gal (Hope that's right).

As an amateur operator I am not an appliance operator and I have tried to model my antenna myself, which I think I did right, and that is where my dilemma comes in. I was wondering if I could set up a sched with someone that could talk me through either one or both the programs so that I can model my doublet.

Harold/KD8DVY

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21084. power limits [was RE: balun winding]

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 04:23:08 UTC
From: KA9EGW
Topic: 21084 Message: 21084

>BTW: According to our current rules you can legally operate with the old rules, that is with 1,000 Watts input.<

Would you elaborate on this, please? It has been conventional wisdom ever since the rules change to PEP that the full-gallon AM boys were basically screwed...assuming 100% modulation, 1500PEP=375W unmod carrier.

73, Brian KA9EGW

21085. Re: AW: [ham-antennas] Re: Bringing ladderline into the shack

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 12:45:12 UTC
From: Frank Kirschner
Topic: 21031 Message: 21085

Good points. Now that I think of it, the MFJ feed-through uses
feed-through insulators with threaded rods running through them.

73,
Frank
KF6E

On Wed, Dec 7, 2011 at 5:00 PM, Ken <wa8jxm@...> wrote:

> **
>
>
> #1 - the National Electric Code requires either insulators or coax (at
> least it used to, I assume it still does)
>
> #2 - a bare 2x4 will absorb water and be a poor insulator when it rains.
> If you are going to ignore #1, at least use some heavily insulated wire
> (like RG-8 coax center conductor) for going through the 2x4.
>
> Ken WA8JXM
>
>

[Non-text portions of this message have been removed]

21086. AW: [ham-antennas] Modeling

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 13:35:11 UTC
From: siegfried.jackstien
Topic: 21081 Message: 21086

I could show you how to do it in mmana (teamview meeting)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von kd8dvy@...
> Gesendet: Donnerstag, 8. Dezember 2011 03:36
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Modeling
>
>
>
> Hello all,
>
> I have tried to use EZNEC that came with the ARRL antenna book and I have
> tried the MMANA-Gal (Hope that's right).
>
> As an amateur operator I am not an appliance operator and I have tried to
> model my antenna myself, which I think I did right, and that is where my
> dilemma comes in. I was wondering if I could set up a sched with someone
> that could talk me through either one or both the programs so that I can
> model my doublet.
>
> Harold/KD8DVY
>
>
>
>

21087. Re: [ham-antennas] power limits [was RE: balun winding]

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 14:24:46 UTC
From: Ron Youvan
Topic: 21084 Message: 21087

Brian KA9EGW wrote:

> >BTW: According to our current rules you can legally operate with the old
> rules, that is with 1,000 Watts input.<

> Would you elaborate on this, please? It has been conventional wisdom ever
> since the rules change to PEP that the full-gallon AM boys were basically
> screwed...assuming 100% modulation, 1500PEP=375W unmod carrier.

It is perfectly OK to operate with a maximum plate input power of 1,000 Watts (as a general and
above) which will certainly limit your *am PEP output power* to well under 1,500 Watts PEP. (more
like 800 Watts)

It is perfectly OK to operate with a maximum plate input power of 500 Watts (as a general and
above) which will certainly limit your *am PEP output power* to well under 1,500 Watts PEP. (more
like 400 Watts)

It is perfectly OK to operate with a maximum plate input power of 50 Watts (as a general and
above) which will certainly limit your *am PEP output power* to well under 1,500 Watts PEP. (more
like 40 Watts)

The output of your modulator is part of the plate input power of your final RF stage.\
I said nothing about the carrier power, just: "with 1,000 Watts input."
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21088. Dual band inductively loaded dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 16:08:45 UTC
From: Richard
Topic: 21088 Message: 21088

Hi
Just joined the list.
Has anyone tried the design for a dual band inductively loaded dipoles as per the 2011 11th edition of the RSGB Radio communications handbook ?
The reason I ask is that the design on page 15.7 was originally in Rad comm few years ago, and I was
using it with a open ladder feeder and an ATU. That worked reasonably well, but after not using it for a
couple of years it was getting hard to resonate, on investigation I found the solder joints on the
loading coils had broken.
When remaking it I used the dimensions from the Handbook 16' 8" each side with 47uH coils and 2' 9" at
the hot end the other side of the inductors.
I got it up this morning and it resonated at 15.2 MHz and 7.55 MHz, I had to cut a lot off the original
length to use the dimensions given in the 2011 handbook.

2'9" 47uH 16'9" feedpoint 16'9" 47uH 2' 9"

----~~~~~---------- ----------~~~~~----

Is anyone familiar with this design and an idea what the correct length should be ?.
I can only manage to get this about 30' above ground.

thanks

--
Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
##

21089. spiro antenna shorteners

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 20:23:25 UTC
From: fly_ul
Topic: 21089 Message: 21089

I was thinking of using spiro-mfg LC-160 to shorten a 160 meter dipole. I know it will have reduced efficency, but my question is will this antenna work on 80 meters?

Jeff
wo4r

21090. Re: [ham-antennas] spiro antenna shorteners

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 21:36:51 UTC
From: ka9egw@britewerkz.com
Topic: 21089 Message: 21090

What he said; I have a set of those but have had no luck getting spi-ro to reply to my inquiries about wire lengths to use with them...

73, Brian KA9EGW

> I was thinking of using spiro-mfg LC-160 to shorten a 160 meter dipole. I
> know it will have reduced efficency, but my question is will this antenna
> work on 80 meters?
>
> Jeff
> wo4r
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

21091. Re: [ham-antennas] power limits [was RE: balun winding]

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-08 22:47:13 UTC
From: Larry Tooley
Topic: 21084 Message: 21091

Great! Might be easier that way, measuring plate current with a home brew sweep tube linear. Still have some left collecting dust.
----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 08, 2011 8:24 AM
Subject: Re: [ham-antennas] power limits [was RE: balun winding]

Brian KA9EGW wrote:

> >BTW: According to our current rules you can legally operate with the old
> rules, that is with 1,000 Watts input.<

> Would you elaborate on this, please? It has been conventional wisdom ever
> since the rules change to PEP that the full-gallon AM boys were basically
> screwed...assuming 100% modulation, 1500PEP=375W unmod carrier.

It is perfectly OK to operate with a maximum plate input power of 1,000 Watts (as a general and
above) which will certainly limit your *am PEP output power* to well under 1,500 Watts PEP. (more
like 800 Watts)

It is perfectly OK to operate with a maximum plate input power of 500 Watts (as a general and
above) which will certainly limit your *am PEP output power* to well under 1,500 Watts PEP. (more
like 400 Watts)

It is perfectly OK to operate with a maximum plate input power of 50 Watts (as a general and
above) which will certainly limit your *am PEP output power* to well under 1,500 Watts PEP. (more
like 40 Watts)

The output of your modulator is part of the plate input power of your final RF stage.\
I said nothing about the carrier power, just: "with 1,000 Watts input."
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

21092. Cushcraft R-7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 00:45:39 UTC
From: John Parker
Topic: 21092 Message: 21092

Hi,

I'm new to the list and was wondering if anyone from the list is on the island of Oahu?

I have a used R-7 that I think I may need help setting up. I need to open the box as it has been in storage for a couple of years. I don't know too much about these antennas and have never put one together.

Don't even know if I have all the necessary parts, etc.

If nobody is on Oahu, maybe somebody can elmer me? I have a gen class license, been licensed since 2000 but have never been on the air!

I seem to have a mental block when it comes to settimg these up!

So, i have been very patient all these years!

Mahalo and 73's

John. WH6DQU

Sent from my iPhone

21093. Re: [ham-antennas] Cushcraft R-7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 01:47:01 UTC
From: N3XX
Topic: 21092 Message: 21093

Hi John,

Here's a link to download the assembly & installation manual if you don't already have it:
http://www.cushcraftamateur.com/pdffiles/r7.pdf
It also has a parts list, so you can tell if everything is there.

73,
Tim - N3XX

----- Original Message -----
From: "John Parker" <parkjv1@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, December 08, 2011 7:45 PM
Subject: [ham-antennas] Cushcraft R-7

Hi,

I'm new to the list and was wondering if anyone from the list is on the island of Oahu?

I have a used R-7 that I think I may need help setting up. I need to open the box as it has been in storage for a couple of years. I don't know too much about these antennas and have never put one together.

Don't even know if I have all the necessary parts, etc.

If nobody is on Oahu, maybe somebody can elmer me? I have a gen class license, been licensed since 2000 but have never been on the air!

I seem to have a mental block when it comes to settimg these up!

So, i have been very patient all these years!

Mahalo and 73's

John. WH6DQU

Sent from my iPhone

21094. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 01:57:49 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 21094

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /Need Help With Data/loop swr.xls
Uploaded by : goldtr8 <goldtr8@...>
Description : Loop Data Need Recommendations on what to do next

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/Need%20Help%20With%20Data/loop%20swr.xls

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

goldtr8 <goldtr8@...>

21095. Need help with analizing data

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 01:58:44 UTC
From: Don
Topic: 21095 Message: 21095

Gents,

I have just uploaded my loop data to the files section under the folder titled "Need Help With Data".

Basically I have pulled the loop down and used an antenna launcher to get it higher in the air between 25 to 40 feet now.

What I am asking is for someone who knows how to look at the numbers help me understand what I need to do next to get better SWR and performance.

The first loop paced off to be about 600 ft, however after putting it up in the trees I needed to add 150 ft to use the trees properly and it should be 750 ft but my data suggests that it is 402 feet.

Another issue is that it does not hear as well as my dipole based on the S meter of the radio plus signal reports. What it does do well is blank out local noise and I can hear signals close to the noise floor with the loop that I can not hear with the dipole due to noise.

Also the feedline is between 50 and 60 ft of 450 0hm ladder line to a 1:1 current balun to 25 ft of coax going to the tuner.

Please any suggestions on what I need to look at would be greatly appreciated. As I believe that the loop should be better at TX and RX for 160m, 80m and 40m if I can get it sorted out.

Thanks KD8NNU Don

21096. Re: [ham-antennas] Cushcraft R-7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 02:18:46 UTC
From: John Parker
Topic: 21092 Message: 21096

Thanks Tim,

I'll take a look and inventory!

Mahalo!

John

Sent from my iPhone

On Dec 8, 2011, at 3:47 PM, "N3XX" <n3xx@...> wrote:

> Hi John,
>
> Here's a link to download the assembly & installation manual if you don't
> already have it:
> http://www.cushcraftamateur.com/pdffiles/r7.pdf
> It also has a parts list, so you can tell if everything is there.
>
> 73,
> Tim - N3XX
>
> ----- Original Message -----
> From: "John Parker" <parkjv1@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Thursday, December 08, 2011 7:45 PM
> Subject: [ham-antennas] Cushcraft R-7
>
> Hi,
>
> I'm new to the list and was wondering if anyone from the list is on the
> island of Oahu?
>
> I have a used R-7 that I think I may need help setting up. I need to open
> the box as it has been in storage for a couple of years. I don't know too
> much about these antennas and have never put one together.
>
> Don't even know if I have all the necessary parts, etc.
>
> If nobody is on Oahu, maybe somebody can elmer me? I have a gen class
> license, been licensed since 2000 but have never been on the air!
>
> I seem to have a mental block when it comes to settimg these up!
>
> So, i have been very patient all these years!
>

> Mahalo and 73's
>
> John. WH6DQU
>
> Sent from my iPhone
>
>

[Non-text portions of this message have been removed]

21097. Dual Band J Pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 05:50:19 UTC
From: Allan
Topic: 21097 Message: 21097

I have a OSJ146/440 dual band antenna manufactored by Arrow Antennas and have a couple of general questions.

1. What would be the optimum height requirement for the antenna?
And
2. Would it really matter if the antenna is going E/W or N/S

I currently have the antenna up about 14'-15' and it's pointing N/S I guess you could say.

I'm not having any issues with it but I was just wondering if I should go higher or if the antenna would be better pointing an E/W direction

Thanks

21098. Re: [ham-antennas] Dual Band J Pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 10:27:42 UTC
From: Ken
Topic: 21097 Message: 21098

On vhf/uhf, the higher the better, subject to additional feedline losses. I've never heard of anyone complaining that their 2m antenna was too high.

OTOH, if it is working for what you want (e.g. local repeaters), then it's current height is okay.

I don't understand your directional question. It looks like an omni directional radiator.

Ken WA8JXM

On Dec 9, 2011, at 12:50 AM, Allan wrote:

> I have a OSJ146/440 dual band antenna manufactored by Arrow Antennas and have a couple of general questions.
>
> 1. What would be the optimum height requirement for the antenna?
> And
> 2. Would it really matter if the antenna is going E/W or N/S
>
> I currently have the antenna up about 14'-15' and it's pointing N/S I guess you could say.
>
> I'm not having any issues with it but I was just wondering if I should go higher or if the antenna would be better pointing an E/W direction
>
> Thanks

21099. Re: [ham-antennas] Dual Band J Pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 13:46:12 UTC
From: Ernie Rice
Topic: 21097 Message: 21099

Location, location the higher the better! It is omni directional (i think)

Ernie

On Thu, Dec 8, 2011 at 9:50 PM, Allan <grey_wolf2011@...> wrote:

> **
>
>
> I have a OSJ146/440 dual band antenna manufactored by Arrow Antennas and
> have a couple of general questions.
>
> 1. What would be the optimum height requirement for the antenna?
> And
> 2. Would it really matter if the antenna is going E/W or N/S
>
> I currently have the antenna up about 14'-15' and it's pointing N/S I
> guess you could say.
>
> I'm not having any issues with it but I was just wondering if I should go
> higher or if the antenna would be better pointing an E/W direction
>
> Thanks
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21100. Re: [ham-antennas] Cushcraft R-7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 14:03:44 UTC
From: Memwl
Topic: 21092 Message: 21100

http://www.dxzone.com/dx22763/cushcraft-r7-repair-and-tests.html

Here is another link that has information on repair and maintenance
I just sold one and wish I had not

73
ke7abe
Michael

>_____
> From: N3XX <n3xx@...>
>To: ham-antennas@yahoogroups.com
>Sent: Thursday, December 8, 2011 6:47 PM
>Subject: Re: [ham-antennas] Cushcraft R-7
>
>
>
>Hi John,
>
>Here's a link to download the assembly & installation manual if you don't
>already have it:
>http://www.cushcraftamateur.com/pdffiles/r7.pdf
>It also has a parts list, so you can tell if everything is there.
>
>73,
>Tim - N3XX
>
>----- Original Message -----
>From: "John Parker" <parkjv1@...>
>To: <ham-antennas@yahoogroups.com>
>Sent: Thursday, December 08, 2011 7:45 PM
>Subject: [ham-antennas] Cushcraft R-7
>
>Hi,
>
>I'm new to the list and was wondering if anyone from the list is on the
>island of Oahu?
>
>I have a used R-7 that I think I may need help setting up. I need to open
>the box as it has been in storage for a couple of years. I don't know too
>much about these antennas and have never put one together.
>
>Don't even know if I have all the necessary parts, etc.
>
>If nobody is on Oahu, maybe somebody can elmer me? I have a gen class
>license, been licensed since 2000 but have never been on the air!

>
>I seem to have a mental block when it comes to settimg these up!
>
>So, i have been very patient all these years!
>
>Mahalo and 73's
>
>John. WH6DQU
>
>Sent from my iPhone
>
>
>
>
>

[Non-text portions of this message have been removed]

21101. RE: [ham-antennas] Dual Band J Pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 14:12:08 UTC
From: Richard Schmuke
Topic: 21097 Message: 21101

On Thu, Dec 8, 2011 at 9:50 PM, Allan <grey_wolf2011@...> wrote:

> **
>
>
> I have a OSJ146/440 dual band antenna manufactored by Arrow Antennas and
> have a couple of general questions.
>
> 1. What would be the optimum height requirement for the antenna?
>
It should be as high as you can get it, within reason , VHF/UHF FM is line of sight so it needs to be in the clear of surrounding interference. Too far away from the radio and or the wrong coax will cause more loss than the height can gain. It should be fed with a minimum of RG-8 type, IMO.

> 2. Would it really matter if the antenna is going E/W or N/S

As far as I know it is a completely omnidirectional

Rich , Kd0zz

21102. Re: [ham-antennas] spiro antenna shorteners

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 14:58:25 UTC
From: Ken Burchfield
Topic: 21089 Message: 21102

fwiw.

I saw this on their website. Hope it helps.
LC160 indicated wire length is 100ft?

http://www.spiromfg.com/parts.htm

ANTENNA SHORTENERS -- Shorten your Antenna over 40%

Perfect for limited Space applications. Used in series with the antenna

elements to reduce the physical length. Housed in weatherproof, sealed

enclosures, same as our antenna traps. NO periodic cleaning is required.

 Built for years of trouble-free service. Instructions included. Sold

only in pairs.
MODEL For Band (meters) Finished Dipole overall length (ft)

Price per pair
LC-40 40 38 $37.00
LC-80 75/80 69 $38.00
LC-160 160 100 $40.00
73 Ken

 PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 Baud

---
From: "ka9egw@..." <ka9egw@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 8, 2011 3:36 PM
Subject: Re: [ham-antennas] spiro antenna shorteners

What he said; I have a set of those but have had no luck getting spi-ro to
reply to my inquiries about wire lengths to use with them...

73, Brian KA9EGW

> I was thinking of using spiro-mfg LC-160 to shorten a 160 meter dipole. I
> know it will have reduced efficency, but my question is will this antenna
> work on 80 meters?
>
> Jeff
> wo4r
>
>
>

> -------------

[Non-text portions of this message have been removed]

21103. Re: [ham-antennas] spiro antenna shorteners

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 15:02:15 UTC
From: ka9egw@britewerkz.com
Topic: 21089 Message: 21103

I would *guess* they're supposed to go 25' in from each end [i.e. the
middle of the element] but have been unable to get confirmation...

73 Brian KA9EGW

> fwiw.
>
> I saw this on their website. Hope it helps.
> LC160 indicated wire length is 100ft?
> ?
> http://www.spiromfg.com/parts.htm
>
>
> ANTENNA SHORTENERS? -- Shorten your Antenna over 40%
>
> Perfect for limited Space applications.? Used in series with the antenna
>
> elements to reduce the physical length.? Housed in weatherproof, sealed
>
> enclosures, same as our antenna traps.? NO periodic cleaning is required.
>
> ?Built for years of trouble-free service.? Instructions included. Sold
>
> only in pairs.
> MODEL ?? ?For Band (meters) ?? ?Finished Dipole overall length (ft) ?? ?
>
> Price per pair
> LC-40 ?? ?40 ?? ?38 ?? ?$37.00
> LC-80 ?? ?75/80 ?? ?69 ?? ?$38.00
> LC-160 ?? ?160 ?? ?100 ?? ?$40.00
> 73 Ken
>
> ?PacketRadio is Still
> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
>
>
>
> _____
> From: "ka9egw@..." <ka9egw@...>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, December 8, 2011 3:36 PM
> Subject: Re: [ham-antennas] spiro antenna shorteners
>
> What he said; I have a set of those but have had no luck getting spi-ro to

> reply to my inquiries about wire lengths to use with them...
>
> 73, Brian KA9EGW
>
>> I was thinking of using spiro-mfg LC-160 to shorten a 160 meter dipole.?
>> I
>> know it will have reduced efficency, but my question is will this
>> antenna
>> work on 80 meters?
>>
>> Jeff
>> wo4r
>>
>>
>>
>> -------------
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

21104. Re: [ham-antennas] spiro antenna shorteners

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 15:16:01 UTC
From: Peter Laws
Topic: 21089 Message: 21104

I've had three different Spi-Ro trap dipoles over the years. They used to answer the phone at least, even if whoever answered was grumpy. In the last few years, they only take your money - no customer service at all. Basically, as-is, where-is.

But ... I've got no complaints about the antennas. Traps finally went bad on my D-56 (5 bands, 6 traps), but given that it was in service for most of 16 years, I'm not unhappy. Got two WASes and most of, maybe all, of DXCC (the first 100, anyway) with it.

--
Peter Laws | N5UWY | plaws plaws net | Travel by Train!

21105. RE: [ham-antennas] Dual Band J Pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 16:18:23 UTC
From: Ralph Apache
Topic: 21097 Message: 21105

Why not just make one. I have one out of copper tubing and it cost me just under $80 and it works great so far even with MARS frequencies.

Sent from my iPhone
v/r Ralph
WH7PD

21106. Re: Cushcraft R-7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 17:08:30 UTC
From: bk915
Topic: 21092 Message: 21106

John, I have an R7 and I have found about three different manuals online. There are some slight differences in trap design, and some spacing dimensions are different. I think you can ID which you have by looking at how the traps look in the diagram. I can't remember specifics, but it will make a difference in setup.

BTW, I spent 2-1/2 wonderful years at Hickam, way back when...

Aloha

Bill Kulze W2NVD

--- In ham-antennas@yahoogroups.com, John Parker <parkjv1@...> wrote:
>
> Hi,
>
> I'm new to the list and was wondering if anyone from the list is on the island of Oahu?
>
> I have a used R-7 that I think I may need help setting up. I need to open the box as it has been in storage for a couple of years. I don't know too much about these antennas and have never put one together.
>
> Don't even know if I have all the necessary parts, etc.
>
> If nobody is on Oahu, maybe somebody can elmer me? I have a gen class license, been licensed since 2000 but have never been on the air!
>
> I seem to have a mental block when it comes to settimg these up!
>
> So, i have been very patient all these years!
>
> Mahalo and 73's
>
> John. WH6DQU
>
> Sent from my iPhone
>

21107. The G4ZU Bird Yagi for 10m

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 17:16:16 UTC
From: Mike Rodgers
Topic: 21107 Message: 21107

http://www.qsl.net/rz1zr/antenny/bag/bag.html

I built the above mentioned antenna which is a wire beam 3 element. It is a spreader design similar to a quad element laid flat. The dipole driven element goes across the center and director and reflector or tied to or part of the perimeter sting or rope.
I used 1/2 sprinkler PVC shedule 80 and had to guy from above. Fiberglass spreaders would be better.

Unfortunately I don't have a dipole or Antron 99 to compare it to. I'm using a
80m delta loop here and for several months have had 4-5 s unit noise which upsets me to no end.

In my situation this antenna has been a good noticeable improvement. It is slightly quieter about 1s unit now at
25'. It was 2 s unit quieter on 8' test pole but the big thing is a much better signal to noise ratio. It seems to bring signal out of the noise.

It's hard to tell with the band fluctuating but it doesn't seem to have much directionality so I can't honestly say a rotatable dipole would be much different. The extended double zepp as a rotatable dipole looks interesting.

This antenna was published in the ARRL Antenna Compendium Vol 2 I believe in 1959. Thanks Ken for providing me that resource to double check boom length. Boom length is 12'
Driven element spreader 16'6"

This has been a improvement for me and I just wanted to share this lest the antenna be forgotten.

On 11 m it's often called a "skypper" and there is a utube video of a 5 min
Assembly which shows what it should look like. Mine didn't turn out that nice.
I should have used fiberglass.

Oh yeah, with the price of materials and anything metal getting quite high, it's not as economical as it once was.
I spent $60-$80.

73
Mike R
Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

21108. G4zu bird yagi utube video

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 17:21:00 UTC
From: Mike Rodgers
Topic: 21108 Message: 21108

Check out this video on YouTube:

This is one of the better utube videos showing the antenna.

I mentioned a better s/n ratio than my loop. Also notice a increase in audio volume as well.

http://www.youtube.com/watch?v=eSaDimxCngc&feature=youtube_gdata_player

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

21109. Re: [ham-antennas] Dual Band J Pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 17:24:23 UTC
From: Andy
Topic: 21097 Message: 21109

> 2. Would it really matter if the antenna is going E/W or N/S

Unless you are doing CW or SSB on those bands, it should be pointing UP, not E/W or N/S. Vertical, not horizontal.

The position of the smaller stubs (the "J" matching sections) around the main rod, does not matter.

Andy

21110. Re: Dual Band J Pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 17:34:29 UTC
From: Bob Richie
Topic: 21097 Message: 21110

If it is doing what you want there is not any reason to change. Raising it may get you to some repeaters that you cannot contact now. Maybe not. Here's your homework - try it and see. 73

Bob
K5YB
Kerrville, TX 78028

[Non-text portions of this message have been removed]

21111. Re: Dual Band J Pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 18:42:48 UTC
From: pchapman920
Topic: 21097 Message: 21111

Anyone who actually looked at this ant, I have one, would understand the question better. The way it is constructed, everything lines up horizontally, like the stuff was lined up on on a 2X4. It is also built incredibly well and serious heavy duty stuff. A bargain at $40. Less than 5 minutes assembly time.

--- In ham-antennas@yahoogroups.com, "Allan" <grey_wolf2011@...> wrote:
>
> I have a OSJ146/440 dual band antenna manufactored by Arrow Antennas and have a couple of general questions.
>
> 1. What would be the optimum height requirement for the antenna?
> And
> 2. Would it really matter if the antenna is going E/W or N/S
>
> I currently have the antenna up about 14'-15' and it's pointing N/S I guess you could say.
>
> I'm not having any issues with it but I was just wondering if I should go higher or if the antenna would be better pointing an E/W direction
>
> Thanks
>

21112. using old tv antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 19:47:07 UTC
From: tivoligardens@yahoo.com
Topic: 21112 Message: 21112

I got an old tv antenna which has most of its radials.
Are there any plans for how I can use the parts to make new ham radio antennas ?

Hal w4hal

21113. Re: [ham-antennas] spiro antenna shorteners

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 20:47:38 UTC
From: Ken Burchfield
Topic: 21089 Message: 21113

Brian that would be my guess also
I have no idea about 80 meters. do you??

73 Ken

PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: "ka9egw@..." <ka9egw@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, December 9, 2011 9:02 AM
Subject: Re: [ham-antennas] spiro antenna shorteners

I would *guess* they're supposed to go 25' in from each end [i.e. the
middle of the element] but have been unable to get confirmation...

73 Brian KA9EGW

> fwiw.
>
> I saw this on their website. Hope it helps.
> LC160 indicated wire length is 100ft?
>
> http://www.spiromfg.com/parts.htm
>
>
> ANTENNA SHORTENERS -- Shorten your Antenna over 40%
>
> Perfect for limited Space applications. Used in series with the antenna
>
> elements to reduce the physical length. Housed in weatherproof, sealed
>
> enclosures, same as our antenna traps. NO periodic cleaning is required.
>
> Built for years of trouble-free service. Instructions included. Sold
>
> only in pairs.
> MODEL   For Band (meters)   Finished Dipole overall length (ft)
>
> Price per pair
> LC-40   40   38 $37.00
> LC-80   75/80   69 $38.00
> LC-160   160   100 $40.00
> 73 Ken
>
> PacketRadio is Still

> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
>
>
>
> _____
> From: "ka9egw@..." <ka9egw@...>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, December 8, 2011 3:36 PM
> Subject: Re: [ham-antennas] spiro antenna shorteners
>
> What he said; I have a set of those but have had no luck getting spi-ro to
> reply to my inquiries about wire lengths to use with them...
>
> 73, Brian KA9EGW
>
>> I was thinking of using spiro-mfg LC-160 to shorten a 160 meter dipole.
>> I
>> know it will have reduced efficency, but my question is will this
>> antenna
>> work on 80 meters?
>>
>> Jeff
>> wo4r
>>
>>

[Non-text portions of this message have been removed]

21114. Re: using old tv antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 21:18:42 UTC
From: VE3FMC
Topic: 21112 Message: 21114

You can use the elements to make 2 meter and 440 yagis. Just Google for plans for those antennas.

Not much use for those elements other than those bands as they are too short for other bands.

Rick VE3FMC

--- In ham-antennas@yahoogroups.com, tivoligardens@... wrote:
>
> I got an old tv antenna which has most of its radials.
> Are there any plans for how I can use the parts to make new ham radio antennas ?
>
> Hal w4hal
>

21115. Re: [ham-antennas] spiro antenna shorteners

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 21:45:51 UTC
From: Ken Burchfield
Topic: 21089 Message: 21115

I saw this review, which confirms the 25' sections of
wire, I don't know what the differences in LS and the Lc
units
73 Ken

N9VV
Rating: 5/5
Nov 5, 2005 15:24
Send this review to a friend
Works well and fits my QTH
Time owned: 0 to 3 months
The Spi-Ro LS-160K with the PB-1-C balun works well at my
QTH. The instructions say to just cut your ANT wire in four 25' pieces.
There was no info about how to connect the wires to the brass ends with
the plain screws. I made one simple loop and soldered the wire to
itself.

I was surprised that the ANT works so well with no tuner. Mine is
resonant at 1.818 which is perfect for the CW group I wanted to join at
night. With a simple tuner it tunes the whole band.

The balun and traps seem to be very well made, however it has (a) no
strain relief and (b) no locking mechanism for the plain slot head brass
screws. I would like to hear from other owners about how they fastened
their ANT wires to the brass fittings. I thought about using some sort
of solder-on or crimp-on lug. Maybe I will have to do that if my
current setup doesn't last all winter.

I would recommend this ANT based on it's ease of construction and performance.

de Ken N9VV

 PacketRadio is Still Alive.......Mississippi.......145.010.......Simplex.......1200 Baud

---
From: "ka9egw@..." <ka9egw@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, December 9, 2011 9:02 AM
Subject: Re: [ham-antennas] spiro antenna shorteners

I would *guess* they're supposed to go 25' in from each end [i.e. the
middle of the element] but have been unable to get confirmation...

73 Brian KA9EGW

> fwiw.
>

> I saw this on their website. Hope it helps.
> LC160 indicated wire length is 100ft?
>
> http://www.spiromfg.com/parts.htm
>
>
> ANTENNA SHORTENERS -- Shorten your Antenna over 40%
>
> Perfect for limited Space applications. Used in series with the antenna
>
> elements to reduce the physical length. Housed in weatherproof, sealed
>
> enclosures, same as our antenna traps. NO periodic cleaning is required.
>
> Built for years of trouble-free service. Instructions included. Sold
>
> only in pairs.
> MODEL   For Band (meters)   Finished Dipole overall length (ft)
>
> Price per pair
> LC-40   40   38 $37.00
> LC-80   75/80   69 $38.00
> LC-160   160   100 $40.00
> 73 Ken
>
> PacketRadio is Still
> Alive.......Mississippi.......145.010.......Simplex.......1200 Baud
>
>
>
>
> _____
> From: "ka9egw@..." <ka9egw@britewerkz.com>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, December 8, 2011 3:36 PM
> Subject: Re: [ham-antennas] spiro antenna shorteners
>
> What he said; I have a set of those but have had no luck getting spi-ro to
> reply to my inquiries about wire lengths to use with them...
>
> 73, Brian KA9EGW
>
>> I was thinking of using spiro-mfg LC-160 to shorten a 160 meter dipole.
>> I
>> know it will have reduced efficency, but my question is will this
>> antenna
>> work on 80 meters?
>>
>> Jeff
>> wo4r

>>
>>
>>
>> -------------
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@...m
Yahoo! Groups Links

[Non-text portions of this message have been removed]

21116. Re: [ham-antennas] Re: Dual Band J Pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 21:53:01 UTC
From: dean
Topic: 21097 Message: 21116

It looks like a vertical antenna to me.

73, WY6L

From: pchapman920
Sent: Friday, December 09, 2011 10:42 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Dual Band J Pole

Anyone who actually looked at this ant, I have one, would understand the question better. The way it is constructed, everything lines up horizontally, like the stuff was lined up on on a 2X4. It is also built incredibly well and serious heavy duty stuff. A bargain at $40. Less than 5 minutes assembly time.

--- In mailto:ham-antennas%40yahoogroups.com, "Allan" <grey_wolf2011@...> wrote:
>
> I have a OSJ146/440 dual band antenna manufactored by Arrow Antennas and have a couple of general questions.
>
> 1. What would be the optimum height requirement for the antenna?
> And
> 2. Would it really matter if the antenna is going E/W or N/S
>
> I currently have the antenna up about 14'-15' and it's pointing N/S I guess you could say.
>
> I'm not having any issues with it but I was just wondering if I should go higher or if the antenna would be better pointing an E/W direction
>
> Thanks
>

[Non-text portions of this message have been removed]

21117. Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-09 22:25:34 UTC
From: radiotech750
Topic: 21117 Message: 21117

I just made an open stub j-pole for 2/440. My question is... can it be mounted directly to a metal mast or does it need to be insulated from the mast/
Thanks in advance

Ernie

21118. RE: [ham-antennas] G4zu bird yagi utube video

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 03:29:59 UTC
From: robert duckworth
Topic: 21108 Message: 21118

The antenna is like the hex beam?

> To: ham-antennas@yahoogroups.com
> From: mikerodgerske5gbc@...
> Date: Fri, 9 Dec 2011 11:21:00 -0600
> Subject: [ham-antennas] G4zu bird yagi utube video
>
> Check out this video on YouTube:
>
> This is one of the better utube videos showing the antenna.
>
> I mentioned a better s/n ratio than my loop. Also notice a increase in audio volume as well.
>
>
> http://www.youtube.com/watch?v=eSaDimxCngc&feature=youtube_gdata_player
>
> 73
> Mike R
>
> Sent from my spy ring
>
> Amateur/Ham Radio KE5GBC
> HF & Echolink
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21119. Re: [ham-antennas] power limits [was RE: balun winding]

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 01:38:02 UTC
From: Stan Labinsky Jr.
Topic: 21084 Message: 21119

----- Original Message -----
From: Larry Tooley
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 08, 2011 5:47 PM
Subject: Re: [ham-antennas] power limits [was RE: balun winding]

Great! Might be easier that way, measuring plate current with a home brew sweep tube linear. Still have some left collecting dust.

----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 08, 2011 8:24 AM
Subject: Re: [ham-antennas] power limits [was RE: balun winding]

Brian KA9EGW wrote:

"It is perfectly OK to operate with a maximum plate input power of 1,000 Watts (as a general and above) which will certainly limit your *am PEP output power* to well under 1,500 Watts PEP. (more like 800 Watts)"

Brian, please help my understanding.

1kW DC input, figuring a plate efficiency of 50% (a reasonable figure... some have folks have gotten up to 60 or so per cent, IRRC) would still yield 500 watts RF out.
Now, the figure of PEP equaling 4 x the unmodulated carrier power would make the PEP in that case to be 2000 Watts... correct?

So, unless you're running a really ineffiecient final stage... say, 37.5% efficiency at 1kW in, you'd be over the limit set by FCC 97.313.
Which, incidentally does not mention DC input, or a 1000 Watt power level.

Any thoughts?

Stan

21120. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 06:28:19 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 21120

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /MFJ962.pdf
Uploaded by : ke5lib <dieselheart001@...>
Description : MFJ 962 antenna tuner manual/schematic

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/MFJ962.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

ke5lib <dieselheart001@...>

21121. Re: New file uploaded to ham-antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 06:56:31 UTC
From: KE5LIB
Topic: 389 Message: 21121

Hello folks!

I'm new here, and getting the HF part of my shack together, including antennas- a long wire and a coil with a telescoping whip. This is somewhat humble beginnings, and one reason why I wanted to join Ham-Antennas. I'm looking forward to building and experimenting with antennas, and getting on HF to the fullest extent that I can.

I was given my first legal limit antenna tuner by a wonderful friend, Elmer and baby brother. He had been watching for one for me, and ran across an MFJ-962 just like his. The 962 he has was his first, and it was a circa 1979 model. It had served him well for many years, and he determined I should start out the same way.

The real kicker was not being able to find a manual for it. Even MFJ didn't have an archived copy. Looking on eBay and other places yielded no success. Plenty of 962-B, 962-C and 962-D manuals but not one 962 "no letter" Grandpa model manual. But a copy materialized, and it wound up emailed to me by little bro.

In the spirit of sharing information about this great chunk of equipment I offer it here in the Files section, with all credit to
MFJ, the manufacturer of the 962 tuner series, and holder of all rights pertaining to product information. I present it merely in the
interest of promoting the use of the device in our hobby of Amateur
Radio, with an archive .pdf copy sent to MFJ for the purpose of making this information available to future owners and users of the original 962.

I'm looking forward to meeting folks here, and learning a lot of things. And finishing studying for my Extra upgrade. Happy holidays and 73 de KE5LIB!!

Mark

--- In ham-antennas@yahoogroups.com, ham-antennas@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the ham-antennas
> group.
>
> File : /MFJ962.pdf
> Uploaded by : ke5lib <dieselheart001@...>
> Description : MFJ 962 antenna tuner manual/schematic
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/ham-antennas/files/MFJ962.pdf
>
> To learn more about file sharing for your group, please visit:

> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,
>
> ke5lib <dieselheart001@...>
>

21122. Cushcraft R7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 09:21:41 UTC
From: Memwl
Topic: 21122 Message: 21122

http://www.dxzone.com/dx22763/cushcraft-r7-repair-and-tests.html

Here is another link that has information on repair and maintenance
I just sold one and wish I had not

73
ke7sbe
Michael

[Non-text portions of this message have been removed]

21123. Nested Delta loops and mult-band dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 12:19:53 UTC
From: Richard
Topic: 21123 Message: 21123

Hi
When nesting Delta loops, do you common the feed point before the 4:1 balun or after it, that would be
combining the two 50 ohm feeds,
or using transmission lines the match the combined 32 ohm (16ohm back up to 50 ohm).

The 10 mtr D loop works fine, I dont want to lose too much of its performance, nesting would be for 20
mtrs and 10 mtrs.

After measuring out the yard I can put up a half wave dipole on 40 mtrs, 30' above ground level. If I use
that as a multiband dipole by adding a 17 mtr dipole from the feed-point, what separation is advised
between the two non harmonically related dipoles.

Thanks

--
Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
##

21124. Re: [ham-antennas] G4zu bird yagi utube video

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 12:28:33 UTC
From: Ron Youvan
Topic: 21108 Message: 21124

Robert R. KE4DYG Duckworth wrote:

> The antenna is like the hex beam?

> > Check out this video on YouTube:

> > This is one of the better utube videos showing the antenna.

> > I mentioned a better s/n ratio than my loop. Also notice a increase in audio volume as well.

> > http://www.youtube.com/watch?v=eSaDimxCngc&feature=youtube_gdata_player
> <http://www.youtube.com/watch?v=eSaDimxCngc&feature=youtube_gdata_player>

Cool, it looks like a 20 meter three element beam that is back packable, all you need is rock
with a vertical hole in it, about this big around. The construction places the wires under tension
so the winds won't change the tuning.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21125. AW: [ham-antennas] The G4ZU Bird Yagi for 10m

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 12:54:50 UTC
From: siegfried.jackstien
Topic: 21107 Message: 21125

Nothing spezial
Most dx-peditions use this design ... formerly known as spider-beam
(google it!)
Build from fiber-glass tubing and wire
Can be built as 3 or 5 band version
Even making it bigger and including 30 and/or 40m can be done
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Mike Rodgers
> Gesendet: Freitag, 9. Dezember 2011 17:16
> An: TenMeters10
> Cc: HamAntennas
> Betreff: [ham-antennas] The G4ZU Bird Yagi for 10m
>
>
>
> http://www.qsl.net/rz1zr/antenny/bag/bag.html
>
> I built the above mentioned antenna which is a wire beam 3 element. It is
> a spreader design similar to a quad element laid flat. The dipole driven
> element goes across the center and director and reflector or tied to or
> part of the perimeter sting or rope.
> I used 1/2 sprinkler PVC shedule 80 and had to guy from above. Fiberglass
> spreaders would be better.
>
> Unfortunately I don't have a dipole or Antron 99 to compare it to. I'm
> using a
> 80m delta loop here and for several months have had 4-5 s unit noise which
> upsets me to no end.
>
> In my situation this antenna has been a good noticeable improvement. It is
> slightly quieter about 1s unit now at
> 25'. It was 2 s unit quieter on 8' test pole but the big thing is a much
> better signal to noise ratio. It seems to bring signal out of the noise.
>
> It's hard to tell with the band fluctuating but it doesn't seem to have
> much directionality so I can't honestly say a rotatable dipole would be
> much different. The extended double zepp as a rotatable dipole looks
> interesting.
>
> This antenna was published in the ARRL Antenna Compendium Vol 2 I believe
> in 1959. Thanks Ken for providing me that resource to double check boom

> length. Boom length is 12'
> Driven element spreader 16'6"
>
> This has been a improvement for me and I just wanted to share this lest
> the antenna be forgotten.
>
> On 11 m it's often called a "skypper" and there is a utube video of a 5
> min
> Assembly which shows what it should look like. Mine didn't turn out that
> nice.
> I should have used fiberglass.
>
> Oh yeah, with the price of materials and anything metal getting quite
> high, it's not as economical as it once was.
> I spent $60-$80.
>
> 73
> Mike R
> Sent from my spy ring
>
> Amateur/Ham Radio KE5GBC
> HF & Echolink
>
>

21126. AW: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 13:00:12 UTC
From: siegfried.jackstien
Topic: 21117 Message: 21126

I would insulate it ... otherwise earth current will flow on the pole and
maybe swr will be bad (and radiation will go anywhere but to the repeater)
Dg9bfc
Sigi
Ps I modelled it in mmana so ......

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von radiotech750
> Gesendet: Freitag, 9. Dezember 2011 22:26
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Open stub J-pole
>
>
>
> I just made an open stub j-pole for 2/440. My question is... can it be
> mounted directly to a metal mast or does it need to be insulated from the
> mast/
> Thanks in advance
>
> Ernie
>
>
>
>

21127. AW: [ham-antennas] G4zu bird yagi utube video

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 13:02:30 UTC
From: siegfried.jackstien
Topic: 21108 Message: 21127

See this one
http://www.spiderbeam.com/
dg9bfc
sigi
... yes lightweight and portable!

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ron Youvan
> Gesendet: Samstag, 10. Dezember 2011 12:29
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] G4zu bird yagi utube video
>
>
>
> Robert R. KE4DYG Duckworth wrote:
>
> > The antenna is like the hex beam?
>
> > > Check out this video on YouTube:
>
> > > This is one of the better utube videos showing the antenna.
>
> > > I mentioned a better s/n ratio than my loop. Also notice a increase in
> audio volume as well.
>
> > >
> http://www.youtube.com/watch?v=eSaDimxCngc&feature=youtube_gdata_player
> >
> <http://www.youtube.com/watch?v=eSaDimxCngc&feature=youtube_gdata_player>
>
> Cool, it looks like a 20 meter three element beam that is back packable,
> all you need is rock
> with a vertical hole in it, about this big around. The construction places
> the wires under tension
> so the winds won't change the tuning.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>
>

21128. Re: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 13:11:42 UTC
From: Ernie Rice
Topic: 21117 Message: 21128

Thanks for your reply! Now I have heard it both ways! Some say as long as
the mast is below the antenna that it is OK to bolt it directly to the
mast! I am so confused!!!

Ernie

On Sat, Dec 10, 2011 at 5:00 AM, siegfried.jackstien <
siegfried.jackstien@...> wrote:

> **
>
>
> I would insulate it ... otherwise earth current will flow on the pole and
> maybe swr will be bad (and radiation will go anywhere but to the repeater)
> Dg9bfc
> Sigi
> Ps I modelled it in mmana so ......
>
> > -----Urspr?ngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von radiotech750
> > Gesendet: Freitag, 9. Dezember 2011 22:26
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Open stub J-pole
> >
> >
> >
> > I just made an open stub j-pole for 2/440. My question is... can it be
> > mounted directly to a metal mast or does it need to be insulated from the
> > mast/
> > Thanks in advance
> >
> > Ernie
> >
> >
> >
> >
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21129. RE: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 14:22:22 UTC
From: Richard Schmuke
Topic: 21117 Message: 21129

Subject: Re: [ham-antennas] Open stub J-pole

Thanks for your reply! Now I have heard it both ways! Some say as long as the mast is below the antenna that it is OK to bolt it directly to the mast! I am so confused!!!

Ernie

Sigi is very helpful and has good ideas but I think he needs to look at you antenna schematic. A J-pole type antenna can work on a grounded mast, it is recommended to use a coaxial choke just under the antenna to prevent RF flow back down the line. Five to seven wraps of RG-8X is common then RG-8 size to the radio.
The slim-jim style j-poles are recommended to be on a non conductive mast. I have built both kinds and all my j-poles have been with a common mast/ main element. No one has ever had a problem with one.
The copper slim jims have used a 1/2 fiberglass rod as a mount, if it was made from 450 ohm line then I used PVC pipe.

Rich, Kd0zz

21130. Re: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 14:52:36 UTC
From: Ernie Rice
Topic: 21117 Message: 21130

Rich.
Here is a link to the open stub j pole I made. This is not MY antenna. As
you can see it is mounted directly to the mast with NO balun!
http://www.w4cll.com/my_jpole1.htm
Which is correct?

Ernie

On Sat, Dec 10, 2011 at 6:22 AM, Richard Schmuke <rdj@...> wrote:

> **
>
>
>
>
> Subject: Re: [ham-antennas] Open stub J-pole
>
>
> Thanks for your reply! Now I have heard it both ways! Some say as long as
> the mast is below the antenna that it is OK to bolt it directly to the
> mast! I am so confused!!!
>
> Ernie
>
> Sigi is very helpful and has good ideas but I think he needs to look at you
> antenna schematic. A J-pole type antenna can work on a grounded mast, it is
> recommended to use a coaxial choke just under the antenna to prevent RF
> flow
> back down the line. Five to seven wraps of RG-8X is common then RG-8 size
> to
> the radio.
> The slim-jim style j-poles are recommended to be on a non conductive mast.
> I have built both kinds and all my j-poles have been with a common mast/
> main element. No one has ever had a problem with one.
> The copper slim jims have used a 1/2 fiberglass rod as a mount, if it was
> made from 450 ohm line then I used PVC pipe.
>
> Rich, Kd0zz
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21131. Re: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 15:44:55 UTC
From: Ron Youvan
Topic: 21117 Message: 21131

Ernie Rice wrote:

> Here is a link to the open stub j pole I made. This is not MY antenna. As
> you can see it is mounted directly to the mast with NO balun!
> http://www.w4cll.com/my_jpole1.htm
> Which is correct?

Try it grounded and see of you like it, if you think it is substandard use many wrap of pop bottle plastic (or some such) to wrap around the mast under the clamps to insulate it. (tape the
plastic wraps down)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21132. Re: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 15:56:04 UTC
From: Ernie Rice
Topic: 21117 Message: 21132

I will try it straight to the mast and see what the SWR is and if it is out of whack then I will insulate it from the mast!

Ernie

--
Remember that when you think you have it all figured out... you wake up to start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21133. Wire size and solid versus stranded

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 16:06:26 UTC
From: Robert Costa, KB6QXM
Topic: 21133 Message: 21133

All,

Now that I have obtained my test bed fan dipole, I need to ask the group some questions.

I will be adding many additional parallel wires to the Alpha-Delta DX-lb to add 60 meters along with all of the WARC bands, I need to understand the pros and cons of larger gauge wire, solid core versus stranded.

Alpha Delta uses solid core 12 gauge for their antennas.

I like the look and the rigid nature of solid core 12 gauge. Considering the narrow bandwidth of 60, 30, 17 and 12, is the large solid core wire needed?

Any thoughts?

[Non-text portions of this message have been removed]

21134. Re: G4zu bird yagi utube video

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 16:06:23 UTC
From: Mike Rodgers
Topic: 21108 Message: 21134

It's not quite like a hex beam.
It's a 3 el beam.
The driven element is straight and the director and reflector elements are bent.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

21135. Fwd: Wire size and solid versus stranded

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 16:17:24 UTC
From: Robert Costa, KB6QXM
Topic: 21135 Message: 21135

----- Forwarded message -----
From: "Robert Costa, KB6QXM" <kb6qxm@...>
To: <ham-antennas@yahoogroups.com>
Subject: Wire size and solid versus stranded
Date: Sat, Dec 10, 2011 8:06 am

All,

Now that I have obtained my test bed fan dipole, I need to ask the group some questions.

I will be adding many additional parallel wires to the Alpha-Delta DX-lb to add 60 meters along with all of the WARC bands, I need to understand the pros and cons of larger gauge wire, solid core versus stranded.

Alpha Delta uses solid core 12 gauge for their antennas.

I like the look and the rigid nature of solid core 12 gauge. Considering the narrow bandwidth of 60, 30, 17 and 12, is the large solid core wire needed?

Any thoughts?

[Non-text portions of this message have been removed]

21136. AW: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 16:25:30 UTC
From: siegfried.jackstien
Topic: 21117 Message: 21136

Do not only check swr ... check also signal(s) from some repeaters ... maybe swr does not change much but you can have high angle radiation if pole does reonate and is connected
Wrapping coax does eliminate rf current on shield ... but isolating the pole is another thing

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ernie Rice
> Gesendet: Samstag, 10. Dezember 2011 15:56
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Open stub J-pole
>
>
>
> I will try it straight to the mast and see what the SWR is and if it is
> out
> of whack then I will insulate it from the mast!
>
> Ernie
>
> --
> Remember that when you think you have it all figured out... you wake up to
> start all over again!
> Trust yourself and MOST times you will not be disappointed
>
> [Non-text portions of this message have been removed]
>
>
>
>

21137. Re: AW: [ham-antennas] The G4ZU Bird Yagi for 10m

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 16:28:57 UTC
From: Mike Rodgers
Topic: 21107 Message: 21137

Sigi, I'm sorry you thought my post was nothing special.

As to your comment about it formally known as a spiderbeam, the website acknowledges the original design belongs g4zu.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

21138. RE: [ham-antennas] Wire size and solid versus stranded

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 16:30:54 UTC
From: Richard Schmuke
Topic: 21133 Message: 21138

I don't think you will find much band width difference at these HF frequencies. The 12ga is needed for support as the main wire. Any size wire , solid or stranded that does not break will work as the fan. It must be within reason, 30 gage and up might not hold a bird, 16, 18 or so would work.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Robert Costa, KB6QXM
Sent: Saturday, December 10, 2011 10:06 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Wire size and solid versus stranded

All,

Now that I have obtained my test bed fan dipole, I need to ask the group some questions.

I will be adding many additional parallel wires to the Alpha-Delta DX-lb to add 60 meters along with all of the WARC bands, I need to understand the pros and cons of larger gauge wire, solid core versus stranded.

Alpha Delta uses solid core 12 gauge for their antennas.

I like the look and the rigid nature of solid core 12 gauge. Considering the narrow bandwidth of 60, 30, 17 and 12, is the large solid core wire needed?

Any thoughts?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21139. RE: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 17:03:07 UTC
From: Richard Schmuke
Topic: 21117 Message: 21139

Well I think both ways would work, if you don't get RF feedback then you don't need a choke.

Where did you get the stud mount SO-239? I have some with a stud but the stud is way too small to support the vertical, it is only a 3mm stud.

Did you drill and tap the rod or find some heavy wall tubing. I like making things myself. I have often wondered about this design myself because on the 2M monobander they feed the long element and they would be a large load on the SO-239, on the dual antenna they feed the stub.

Rich, Kd0zz

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ernie Rice
Sent: Saturday, December 10, 2011 8:53 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Open stub J-pole

Rich.

Here is a link to the open stub j pole I made. This is not MY antenna. As

you can see it is mounted directly to the mast with NO balun!

http://www.w4cll.com/my_jpole1.htm

Which is correct?

Ernie

On Sat, Dec 10, 2011 at 6:22 AM, Richard Schmuke <rdj@...> wrote:

> **

>

>

>

>

> Subject: Re: [ham-antennas] Open stub J-pole

>

>

> Thanks for your reply! Now I have heard it both ways! Some say as long as

> the mast is below the antenna that it is OK to bolt it directly to the

> mast! I am so confused!!!

>

> Ernie

>

> Sigi is very helpful and has good ideas but I think he needs to look at
you

> antenna schematic. A J-pole type antenna can work on a grounded mast, it
is

> recommended to use a coaxial choke just under the antenna to prevent RF

> flow

> back down the line. Five to seven wraps of RG-8X is common then RG-8 size

> to

> the radio.

> The slim-jim style j-poles are recommended to be on a non conductive mast.

> I have built both kinds and all my j-poles have been with a common mast/

> main element. No one has ever had a problem with one.

> The copper slim jims have used a 1/2 fiberglass rod as a mount, if it was

> made from 450 ohm line then I used PVC pipe.

>

> Rich, Kd0zz

>

>

>

--

Remember that when you think you have it all figured out... you wake up to

start all over again!

Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

http://groups.yahoo.com/group/ham-antennas/

Individual Email | Traditional

http://groups.yahoo.com/group/ham-antennas/join

(Yahoo! ID required)

ham-antennas-digest@yahoogroups.com

ham-antennas-fullfeatured@yahoogroups.com

ham-antennas-unsubscribe@yahoogroups.com

http://docs.yahoo.com/info/terms/

[Non-text portions of this message have been removed]

21140. AW: [ham-antennas] Wire size and solid versus stranded

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 17:10:28 UTC
From: siegfried.jackstien
Topic: 21133 Message: 21140

Do not make them to thin ... not for strength but birds safety!!!!
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard Schmuke
> Gesendet: Samstag, 10. Dezember 2011 16:31
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Wire size and solid versus stranded
>
>
>
> I don't think you will find much band width difference at these HF
> frequencies. The 12ga is needed for support as the main wire. Any size
> wire
> , solid or stranded that does not break will work as the fan. It must be
> within reason, 30 gage and up might not hold a bird, 16, 18 or so would
> work.
>
> Rich , Kd0zz
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>] On
> Behalf Of Robert Costa, KB6QXM
> Sent: Saturday, December 10, 2011 10:06 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Wire size and solid versus stranded
>
> All,
>
> Now that I have obtained my test bed fan dipole, I need to ask the group
> some questions.
>
> I will be adding many additional parallel wires to the Alpha-Delta DX-lb
> to
> add 60 meters along with all of the WARC bands, I need to understand the
> pros and cons of larger gauge wire, solid core versus stranded.
>
> Alpha Delta uses solid core 12 gauge for their antennas.
>
> I like the look and the rigid nature of solid core 12 gauge. Considering
> the
> narrow bandwidth of 60, 30, 17 and 12, is the large solid core wire

> needed?
>
> Any thoughts?
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

21141. AW: AW: [ham-antennas] The G4ZU Bird Yagi for 10m

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 17:12:35 UTC
From: siegfried.jackstien
Topic: 21107 Message: 21141

So i made a mistake here .... sorry on that :-)

Thought that any ham should know the antenna (from dozens of dx stations
using them) .... didn□t want to step on your shoes hi hi
Greetz
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Mike Rodgers
> Gesendet: Samstag, 10. Dezember 2011 16:29
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] The G4ZU Bird Yagi for 10m
>
>
>
> Sigi, I'm sorry you thought my post was nothing special.
>
> As to your comment about it formally known as a spiderbeam, the website
> acknowledges the original design belongs g4zu.
>
> 73
> Mike R
>
> Sent from my spy ring
>
> Amateur/Ham Radio KE5GBC
> HF & Echolink
>
>

21142. Re: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 17:15:49 UTC
From: Larry Tooley
Topic: 21117 Message: 21142

I used a commercial version of this antenna on 2 and 440 mHz, bolted to the side of my desk right by the radio. It worked great but I did get some funny rf feedback if I leaned over 6 inches to it. Would work great up in the air.
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 10, 2011 11:03 AM
Subject: RE: [ham-antennas] Open stub J-pole

Well I think both ways would work, if you don't get RF feedback then you don't need a choke.

Where did you get the stud mount SO-239? I have some with a stud but the stud is way too small to support the vertical, it is only a 3mm stud.

Did you drill and tap the rod or find some heavy wall tubing. I like making
things myself. I have often wondered about this design myself because on the
2M monobander they feed the long element and they would be a large load on the SO-239, on the dual antenna they feed the stub.

Rich, Kd0zz

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Ernie Rice
Sent: Saturday, December 10, 2011 8:53 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Open stub J-pole

Rich.

Here is a link to the open stub j pole I made. This is not MY antenna. As

you can see it is mounted directly to the mast with NO balun!

http://www.w4cll.com/my_jpole1.htm

Which is correct?

Ernie

On Sat, Dec 10, 2011 at 6:22 AM, Richard Schmuke <rdj@...> wrote:

> **

>

>

>

>

> Subject: Re: [ham-antennas] Open stub J-pole

>

>

> Thanks for your reply! Now I have heard it both ways! Some say as long
as

> the mast is below the antenna that it is OK to bolt it directly to the

> mast! I am so confused!!!

>

> Ernie

>

> Sigi is very helpful and has good ideas but I think he needs to look at
you

> antenna schematic. A J-pole type antenna can work on a grounded mast, it
is

> recommended to use a coaxial choke just under the antenna to prevent RF

> flow

> back down the line. Five to seven wraps of RG-8X is common then RG-8
size

> to

> the radio.

> The slim-jim style j-poles are recommended to be on a non conductive
mast.

> I have built both kinds and all my j-poles have been with a common mast/

> main element. No one has ever had a problem with one.

> The copper slim jims have used a 1/2 fiberglass rod as a mount, if it
was

> made from 450 ohm line then I used PVC pipe.

>

> Rich, Kd0zz

>

>

>

--

Remember that when you think you have it all figured out... you wake up to

start all over again!

Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be
cause
for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

http://groups.yahoo.com/group/ham-antennas/

Individual Email | Traditional

http://groups.yahoo.com/group/ham-antennas/join

(Yahoo! ID required)

ham-antennas-digest@yahoogroups.com

ham-antennas-fullfeatured@yahoogroups.com

ham-antennas-unsubscribe@yahoogroups.com

http://docs.yahoo.com/info/terms/

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21143. Termaline/bird 82A connector type ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 19:01:14 UTC
From: francesco
Topic: 21143 Message: 21143

can any ham indicate me which type of connector ,similar to a bigger SO239, is equipped on dummy load 82A actually on ebay auction 230578961254 (i have the same dummy load) ? .In the auction is indicated as LC type , i am not sure it is.
francesco i8fym

21144. RE: [ham-antennas] Fwd: Wire size and solid versus stranded

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 19:23:48 UTC
From: jo barden
Topic: 21135 Message: 21144

when the wire is tube/very large the useable bandwidth increases but to go from 20 to 10 gauge I don't know how much is noticeable.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: kb6qxm@...
Date: Sat, 10 Dec 2011 08:17:24 -0800
Subject: [ham-antennas] Fwd: Wire size and solid versus stranded

----- Forwarded message -----

From: "Robert Costa, KB6QXM" <kb6qxm@...>

To: <ham-antennas@yahoogroups.com>

Subject: Wire size and solid versus stranded

Date: Sat, Dec 10, 2011 8:06 am

All,

Now that I have obtained my test bed fan dipole, I need to ask the group some questions.

I will be adding many additional parallel wires to the Alpha-Delta DX-lb to add 60 meters along with all of the WARC bands, I need to understand the pros and cons of larger gauge wire, solid core versus stranded.

Alpha Delta uses solid core 12 gauge for their antennas.

I like the look and the rigid nature of solid core 12 gauge. Considering the narrow bandwidth of 60, 30, 17 and 12, is the large solid core wire needed?

Any thoughts?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21145. Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 19:28:13 UTC
From: jo barden
Topic: 21133 Message: 21145

Hi All

Being generally a sad/Eccentric Englishman my shack room also contains our pet reptiles. anyway I noticed that our male Western Hognose snake had shed so removed it anyway I now have rapidly expanding hand, been the fist person with Hognose bite at our local Hospital A&E. I knew I should not have played on the radio today!!!

Jon

G6UWK

[Non-text portions of this message have been removed]

21146. Re: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 19:34:28 UTC
From: dean
Topic: 21133 Message: 21146

You mean like this dude.

http://www.herpnet.net/bite/

my heart goes out to you. We only have to watch out for Rattlesnakes where I live. They are very bad also.

73, WY6L

From: jo barden
Sent: Saturday, December 10, 2011 11:28 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Give US stations a laugh

Hi All

Being generally a sad/Eccentric Englishman my shack room also contains our pet reptiles. anyway I noticed that our male Western Hognose snake had shed so removed it anyway I now have rapidly expanding hand, been the fist person with Hognose bite at our local Hospital A&E. I knew I should not have played on the radio today!!!

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21147. RE: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 19:38:22 UTC
From: jo barden
Topic: 21133 Message: 21147

yep!!

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Sat, 10 Dec 2011 11:34:28 -0800
Subject: Re: [ham-antennas] Give US stations a laugh

You mean like this dude.

http://www.herpnet.net/bite/

my heart goes out to you. We only have to watch out for Rattlesnakes where I live. They are very bad also.

73, WY6L

From: jo barden

Sent: Saturday, December 10, 2011 11:28 AM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Give US stations a laugh

Hi All

Being generally a sad/Eccentric Englishman my shack room also contains our pet reptiles. anyway I noticed that our male Western Hognose snake had shed so removed it anyway I now have rapidly expanding hand, been the fist person with Hognose bite at our local Hospital A&E. I knew I should not have played on the radio today!!!

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21148. Re: [ham-antennas] Cushcraft R7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 19:39:09 UTC
From: John Parker
Topic: 21122 Message: 21148

Thanks Mike,

I will be doing an inventory today!

73,

John WH6DQU

Sent from my iPhone

On Dec 9, 2011, at 11:21 PM, Memwl <modkulla@...> wrote:

> http://www.dxzone.com/dx22763/cushcraft-r7-repair-and-tests.html
>
> Here is another link that has information on repair and maintenance
> I just sold one and wish I had not
>
> 73
> ke7sbe
> Michael
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

21149. RE: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 20:30:49 UTC
From: Richard Schmuke
Topic: 21133 Message: 21149

Jon, I must ask, I was always under the impression a hognose won't bite but would play dead. When I see one around the place in the summer I always try to find a toad for them. I have been under the impression they go after copperheads and keep they away.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

You mean like this dude.

http://www.herpnet.net/bite/

my heart goes out to you. We only have to watch out for Rattlesnakes where I live. They are very bad also.

73, WY6L

From: jo barden

Sent: Saturday, December 10, 2011 11:28 AM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Give US stations a laugh

Hi All

Being generally a sad/Eccentric Englishman my shack room also contains our pet reptiles. anyway I noticed that our male Western Hognose snake had shed so removed it anyway I now have rapidly expanding hand, been the fist person with Hognose bite at our local Hospital A&E. I knew I should not have played on the radio today!!!

Jon

G6UWK

/

[Non-text portions of this message have been removed]

21150. RE: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 20:58:40 UTC
From: jo barden
Topic: 21133 Message: 21150

I must admit this is the first time it has ever happened to me, we have had him for 4 years no problem. As you say they play dead normally. Our cornsnakes have taken a bite and we have a king and they can be touchy (I do talks at local schools) but the hognoses (we have a male and female) are normally fine. Just having an off day I suppose.

He is called "Parker" after the butler in thunderbirds as I said sad person this end.

jon

To: ham-antennas@yahoogroups.com
From: rdj@...
Date: Sat, 10 Dec 2011 14:30:49 -0600
Subject: RE: [ham-antennas] Give US stations a laugh

Jon, I must ask, I was always under the impression a hognose won't bite but would play dead. When I see one around the place in the summer I always try to find a toad for them. I have been under the impression they go after copperheads and keep they away.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

You mean like this dude.

http://www.herpnet.net/bite/

my heart goes out to you. We only have to watch out for Rattlesnakes where I live. They are very bad also.

73, WY6L

From: jo barden

Sent: Saturday, December 10, 2011 11:28 AM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Give US stations a laugh

Hi All

Being generally a sad/Eccentric Englishman my shack room also contains our pet reptiles. anyway I noticed that our male Western Hognose snake had shed so removed it anyway I now have rapidly expanding hand, been the fist person with Hognose bite at our local Hospital A&E. I knew I should not have played on the radio today!!!

Jon

G6UWK

/

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21151. Re: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 21:14:54 UTC
From: B Peter Treml
Topic: 21133 Message: 21151

Ouch!
----- Original Message -----
From: jo barden
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 10, 2011 2:28 PM
Subject: [ham-antennas] Give US stations a laugh

Hi All

Being generally a sad/Eccentric Englishman my shack room also contains our pet reptiles. anyway I noticed that our male Western Hognose snake had shed so removed it anyway I now have rapidly expanding hand, been the fist person with Hognose bite at our local Hospital A&E. I knew I should not have played on the radio today!!!

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21152. Re: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 22:47:05 UTC
From: dean
Topic: 21133 Message: 21152

That article did say hog snakes don’t bite in self defense but will if you smell like their prey so perhaps you smelled like a rat, Hi Hi.

73, WY6L

From: B Peter Treml
Sent: Saturday, December 10, 2011 1:14 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Give US stations a laugh

Ouch!
----- Original Message -----
From: jo barden
To: mailto:ham-antennas%40yahoogroups.com
Sent: Saturday, December 10, 2011 2:28 PM
Subject: [ham-antennas] Give US stations a laugh

Hi All

Being generally a sad/Eccentric Englishman my shack room also contains our pet reptiles. anyway I noticed that our male Western Hognose snake had shed so removed it anyway I now have rapidly expanding hand, been the fist person with Hognose bite at our local Hospital A&E. I knew I should not have played on the radio today!!!

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21153. Re: [ham-antennas] Cushcraft R7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 23:02:23 UTC
From: John Parker
Topic: 21122 Message: 21153

Aloha everyone!

I have done an inventory of my Cushcraft R-7. Thanks to Michael KE7SBE and Time N3XX for the URL links.

It looks like my MN7 Box needs to be replaced as it has a huge crack on the back side and broken through. I have found an exact replacement for that for $5.00

But, the condition of the antenna itself looks like it needs some maintenance, i.e. Rust spots, etc.

Should I use something to sand that off and do I need to place any kind of protective coating on the antenna? I would imagine that due to the climate here on Oahu, this will be a constant battle for me.

Any suggestions?

Also, totally clueless about mounting, transmission line to run to my xcvr, etc. I guess this is why it has taken me 11 years since I¹ve been licensed to get this far!

Any help would be appreciated! I have set a time frame of 2 months, to get this antenna, cleaned up, enclosure replaced and everything mounted and hooked up to my TS-850.

74,

John WH6DQU

On 12/9/11 11:21 PM, "Memwl" <modkulla@...> wrote:

>
>
>
>
>
> http://www.dxzone.com/dx22763/cushcraft-r7-repair-and-tests.html
>
> Here is another link that has information on repair and maintenance
> I just sold one and wish I had not
>
> 73
> ke7sbe
> Michael
>
> [Non-text portions of this message have been removed]
>

>
>
>
>

[Non-text portions of this message have been removed]

21154. Re: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 23:08:46 UTC
From: Ken
Topic: 21117 Message: 21154

On Dec 10, 2011, at 8:11 AM, Ernie Rice wrote:

> Thanks for your reply! Now I have heard it both ways! Some say as long as
> the mast is below the antenna that it is OK to bolt it directly to the
> mast! I am so confused!!!

In general, it should be grounded for lightning protection.

21155. Re: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 23:15:20 UTC
From: Ernie Rice
Topic: 21117 Message: 21155

Mounted to the metal mast (the mast is grounded) it will be grounded! I am
just trying to find out if it can be bolted directly to the mast or needs
insulated from the mast!

Ernie

On Sat, Dec 10, 2011 at 3:08 PM, Ken <wa8jxm@...> wrote:

> **
>
>
>
> On Dec 10, 2011, at 8:11 AM, Ernie Rice wrote:
>
> > Thanks for your reply! Now I have heard it both ways! Some say as long as
> > the mast is below the antenna that it is OK to bolt it directly to the
> > mast! I am so confused!!!
>
> In general, it should be grounded for lightning protection.
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21156. Re: Wire size and solid versus stranded

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 23:39:40 UTC
From: fred
Topic: 21133 Message: 21156

Stranded wire will take more abuse (bending) than solid wire will before it breaks , also is easier to coil if you need to store the antenna . I used # 12 THNN for the 75/80 metre dipole as it was all that I had enough of . the triband dipole 10 , 20 and 40 metres is # 14 THNN . has been up at this QTH since 2003 with no problems or wire breakage yet , the ropes are a different matter . all antennas are wide banded enough to cover the entire general class portion without a tuner except the 10 metre dipole .

kd5pnt

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> I don't think you will find much band width difference at these HF
> frequencies. The 12ga is needed for support as the main wire. Any size wire
> , solid or stranded that does not break will work as the fan. It must be
> within reason, 30 gage and up might not hold a bird, 16, 18 or so would
> work.
>
> Rich , Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Robert Costa, KB6QXM
> Sent: Saturday, December 10, 2011 10:06 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Wire size and solid versus stranded
>
>
>
>
>
>
> All,
>
> Now that I have obtained my test bed fan dipole, I need to ask the group
> some questions.
>
> I will be adding many additional parallel wires to the Alpha-Delta DX-lb to
> add 60 meters along with all of the WARC bands, I need to understand the
> pros and cons of larger gauge wire, solid core versus stranded.
>
> Alpha Delta uses solid core 12 gauge for their antennas.
>
> I like the look and the rigid nature of solid core 12 gauge. Considering the
> narrow bandwidth of 60, 30, 17 and 12, is the large solid core wire needed?
>

> Any thoughts?
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21157. AW: [ham-antennas] Cushcraft R7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-10 23:49:13 UTC
From: siegfried.jackstien
Topic: 21122 Message: 21157

Smooth sanding for cleaning is okay as long as you do NOT use steel wool or similar ... no metallic abrasive for that or it will re-corrode even faster

Steel wool will let some small steel parts in the surface ... and so it will re-corrode caused by chemical element building on the contact area

Dg9bfc
Sigi

Ps did you look on

http://www.iol.ie/~bravo/r7_vertical.htm

an on

http://forums.qrz.com/showthread.php?312725-Cushcraft-R8-matching-network

http://pa0fri.home.xs4all.nl/Ant/R5/onhr5eng.htm

http://www.qsl.net/n5iw/r7000.htm

http://www.telusplanet.net/public/telwest/R7/cushcraft_trap.htm

http://www.mrs.bt.co.uk/mrs/r5/

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von John Parker
> Gesendet: Samstag, 10. Dezember 2011 23:02
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Cushcraft R7
>
>
>
> Aloha everyone!
>
> I have done an inventory of my Cushcraft R-7. Thanks to Michael KE7SBE and
> Time N3XX for the URL links.
>
> It looks like my MN7 Box needs to be replaced as it has a huge crack on
> the
> back side and broken through. I have found an exact replacement for that
> for $5.00
>
> But, the condition of the antenna itself looks like it needs some
> maintenance, i.e. Rust spots, etc.
>
> Should I use something to sand that off and do I need to place any kind of

> protective coating on the antenna? I would imagine that due to the climate
> here on Oahu, this will be a constant battle for me.
>
> Any suggestions?
>
> Also, totally clueless about mounting, transmission line to run to my
> xcvr,
> etc. I guess this is why it has taken me 11 years since I¹ve been licensed
> to get this far!
>
> Any help would be appreciated! I have set a time frame of 2 months, to get
> this antenna, cleaned up, enclosure replaced and everything mounted and
> hooked up to my TS-850.
>
> 74,
>
> John WH6DQU
>
> On 12/9/11 11:21 PM, "Memwl" <modkulla@...
> <mailto:modkulla%40yahoo.com> > wrote:
>
> >
> >
> >
> >
> >
> > http://www.dxzone.com/dx22763/cushcraft-r7-repair-and-tests.html
> >
> > Here is another link that has information on repair and maintenance
> > I just sold one and wish I had not
> >
> > 73
> > ke7sbe
> > Michael
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

21158. Re: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 00:24:40 UTC
From: dean
Topic: 21117 Message: 21158

All of my VHF/UHF vertical antennas are attached to a metal pole and that pole is either on top of concrete or stuck in the dirt. They all work very well.

73, WY6L

-----Original Message-----
From: Ernie Rice
Sent: Saturday, December 10, 2011 3:15 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Open stub J-pole

Mounted to the metal mast (the mast is grounded) it will be grounded! I am just trying to find out if it can be bolted directly to the mast or needs insulated from the mast!

Ernie

On Sat, Dec 10, 2011 at 3:08 PM, Ken <wa8jxm@...> wrote:

> **
>
>
>
> On Dec 10, 2011, at 8:11 AM, Ernie Rice wrote:
>
> > Thanks for your reply! Now I have heard it both ways! Some say as long
> > as
> > the mast is below the antenna that it is OK to bolt it directly to the
> > mast! I am so confused!!!
>
> In general, it should be grounded for lightning protection.
>
>

--
Remember that when you think you have it all figured out... you wake up to start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause

for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21159. Re: [ham-antennas] Cushcraft R7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 00:29:00 UTC
From: N3XX
Topic: 21122 Message: 21159

Hi John,

If the MN7 box is cracked, I would look very closely at the matching network inside for any signs of damage or overheating.

I would use fine sand paper or emery paper to get any rust/corrosion off of any metalic mating surfaces. Don't get too concerned about areas that don't make contact with other parts.

Important - get some Penetrox and apply to any metal mating surfaces as you assemble the antenna (DX Engineering & many other places sell it - Google will find many sources). Connections will be good for many years if you use this.

I have never owned an R7, and looking at the manual I don't see any suggestion about how high to mount it. I also looked at the R8 manual and it's suggested to mount the R8 at least 10' above ground. Just don't know about the R7.
Also, most verticals require radials on or in the ground for proper operation. But I see no mention of this in the R7 manual. So maybe it is designed for operation without ground radials. Hopefully someone who has actually owned an R7 can point you in the right direction here.

I always use RG-8 coax, but I run an amp most of the time, so it's a requirement. If you are only going feed the antenna with 100W from the xcvr, and not mounting the antenna more than a hundred feet away, RG-8X should be fine (and less costly). In this case use the same PL-259 connectors that you would have for the RG-8, but an adapter for the smaller RG-8X cable will be required. Sorry I don't have the part number for the adapter, since I never use them.

Hope this helps & good luck with getting on the air.

73,
Tim - N3XX

----- Original Message -----
From: "John Parker" <parkjv1@...>
To: <ham-antennas@yahoogroups.com>
Sent: Saturday, December 10, 2011 6:02 PM
Subject: Re: [ham-antennas] Cushcraft R7

Aloha everyone!

I have done an inventory of my Cushcraft R-7. Thanks to Michael KE7SBE and Time N3XX for the URL links.

It looks like my MN7 Box needs to be replaced as it has a huge crack on the back side and broken through. I have found an exact replacement for that for $5.00

But, the condition of the antenna itself looks like it needs some maintenance, i.e. Rust spots, etc.

Should I use something to sand that off and do I need to place any kind of protective coating on the antenna? I would imagine that due to the climate here on Oahu, this will be a constant battle for me.

Any suggestions?

Also, totally clueless about mounting, transmission line to run to my xcvr, etc. I guess this is why it has taken me 11 years since I?ve been licensed to get this far!

Any help would be appreciated! I have set a time frame of 2 months, to get this antenna, cleaned up, enclosure replaced and everything mounted and hooked up to my TS-850.

74,

John WH6DQU

On 12/9/11 11:21 PM, "Memwl" <modkulla@...> wrote:

>
>
>
>
>
> http://www.dxzone.com/dx22763/cushcraft-r7-repair-and-tests.html
>
> Here is another link that has information on repair and maintenance
> I just sold one and wish I had not
>
> 73
> ke7sbe
> Michael
>
> [Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

21160. Re: [ham-antennas] Cushcraft R7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 00:34:32 UTC
From: dean
Topic: 21122 Message: 21160

I used to own a Cushcraft vertical either an R6 or R7. There were radials but they were not ground radials. I gave it to a friend and his buddy said he could leave the radials off and when he took them off the antenna didn’t work very well. He finally contacted the company and they told him they had to be on there so he put them on and now it works great.

73, WY6L

From: N3XX
Sent: Saturday, December 10, 2011 4:29 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Cushcraft R7

Hi John,

If the MN7 box is cracked, I would look very closely at the matching network inside for any signs of damage or overheating.

I would use fine sand paper or emery paper to get any rust/corrosion off of any metalic mating surfaces. Don't get too concerned about areas that don't make contact with other parts.

Important - get some Penetrox and apply to any metal mating surfaces as you assemble the antenna (DX Engineering & many other places sell it - Google will find many sources). Connections will be good for many years if you use this.

I have never owned an R7, and looking at the manual I don't see any suggestion about how high to mount it. I also looked at the R8 manual and it's suggested to mount the R8 at least 10' above ground. Just don't know about the R7.
Also, most verticals require radials on or in the ground for proper operation. But I see no mention of this in the R7 manual. So maybe it is designed for operation without ground radials. Hopefully someone who has actually owned an R7 can point you in the right direction here.

I always use RG-8 coax, but I run an amp most of the time, so it's a requirement. If you are only going feed the antenna with 100W from the xcvr, and not mounting the antenna more than a hundred feet away, RG-8X should be fine (and less costly). In this case use the same PL-259 connectors that you would have for the RG-8, but an adapter for the smaller RG-8X cable will be required. Sorry I don't have the part number for the adapter, since I never use them.

Hope this helps & good luck with getting on the air.

73,
Tim - N3XX

----- Original Message -----
From: "John Parker" <mailto:parkjv1%40gmail.com>
To: <mailto:ham-antennas%40yahoogroups.com>
Sent: Saturday, December 10, 2011 6:02 PM
Subject: Re: [ham-antennas] Cushcraft R7

Aloha everyone!

I have done an inventory of my Cushcraft R-7. Thanks to Michael KE7SBE and Time N3XX for the URL links.

It looks like my MN7 Box needs to be replaced as it has a huge crack on the back side and broken through. I have found an exact replacement for that for $5.00

But, the condition of the antenna itself looks like it needs some maintenance, i.e. Rust spots, etc.

Should I use something to sand that off and do I need to place any kind of protective coating on the antenna? I would imagine that due to the climate here on Oahu, this will be a constant battle for me.

Any suggestions?

Also, totally clueless about mounting, transmission line to run to my xcvr, etc. I guess this is why it has taken me 11 years since I¹ve been licensed to get this far!

Any help would be appreciated! I have set a time frame of 2 months, to get this antenna, cleaned up, enclosure replaced and everything mounted and hooked up to my TS-850.

74,

John WH6DQU

On 12/9/11 11:21 PM, "Memwl" <mailto:modkulla%40yahoo.com> wrote:

>
>
>
>
>
> http://www.dxzone.com/dx22763/cushcraft-r7-repair-and-tests.html
>
> Here is another link that has information on repair and maintenance
> I just sold one and wish I had not
>
> 73
> ke7sbe
> Michael
>
> [Non-text portions of this message have been removed]
>

>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21161. Re: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 00:43:43 UTC
From: Geoff Hegarty
Topic: 21133 Message: 21161

I've always been slightly jealous of people who live in places like the UK where you don't (usually) have to worry about the presence of nasty snakes/spiders/etc.

But there you go. Hope you recover quickly.

Geoff

VK2HQA

From: jo barden <jobarden422@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, 11 December 2011 6:28 AM
Subject: [ham-antennas] Give US stations a laugh

Hi All

Being generally a sad/Eccentric Englishman my shack room also contains our pet reptiles. anyway I noticed that our male Western Hognose snake had shed so removed it anyway I now have rapidly expanding hand, been the fist person with Hognose bite at our local Hospital A&E. I knew I should not have played on the radio today!!!

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21162. Re: [ham-antennas] Cushcraft R7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 00:44:57 UTC
From: John Parker
Topic: 21122 Message: 21162

Hi Tim,

Thanks again for the info!

I will pay closer attention and try not to call you Time! :-) or use 74 or 73¹s...

This is all very exciting!!!!

Just need to get my QSL Cards as well....so many things to do!!

73,

John

On 12/10/11 2:29 PM, "N3XX" <n3xx@...> wrote:

>
>
>
>
>
> Hi John,
>
> If the MN7 box is cracked, I would look very closely at the matching network
> inside for any signs of damage or overheating.
>
> I would use fine sand paper or emery paper to get any rust/corrosion off of
> any metalic mating surfaces. Don't get too concerned about areas that don't
> make contact with other parts.
>
> Important - get some Penetrox and apply to any metal mating surfaces as you
> assemble the antenna (DX Engineering & many other places sell it - Google
> will find many sources). Connections will be good for many years if you use
> this.
>
> I have never owned an R7, and looking at the manual I don't see any
> suggestion about how high to mount it. I also looked at the R8 manual and
> it's suggested to mount the R8 at least 10' above ground. Just don't know
> about the R7.
> Also, most verticals require radials on or in the ground for proper
> operation. But I see no mention of this in the R7 manual. So maybe it is
> designed for operation without ground radials. Hopefully someone who has
> actually owned an R7 can point you in the right direction here.
>
> I always use RG-8 coax, but I run an amp most of the time, so it's a
> requirement. If you are only going feed the antenna with 100W from the

> xcvr, and not mounting the antenna more than a hundred feet away, RG-8X
> should be fine (and less costly). In this case use the same PL-259
> connectors that you would have for the RG-8, but an adapter for the smaller
> RG-8X cable will be required. Sorry I don't have the part number for the
> adapter, since I never use them.
>
> Hope this helps & good luck with getting on the air.
>
> 73,
> Tim - N3XX
>
> ----- Original Message -----
> From: "John Parker" <parkjv1@... <mailto:parkjv1%40gmail.com> >
> To: <ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> >
> Sent: Saturday, December 10, 2011 6:02 PM
> Subject: Re: [ham-antennas] Cushcraft R7
>
> Aloha everyone!
>
> I have done an inventory of my Cushcraft R-7. Thanks to Michael KE7SBE and
> Time N3XX for the URL links.
>
> It looks like my MN7 Box needs to be replaced as it has a huge crack on the
> back side and broken through. I have found an exact replacement for that
> for $5.00
>
> But, the condition of the antenna itself looks like it needs some
> maintenance, i.e. Rust spots, etc.
>
> Should I use something to sand that off and do I need to place any kind of
> protective coating on the antenna? I would imagine that due to the climate
> here on Oahu, this will be a constant battle for me.
>
> Any suggestions?
>
> Also, totally clueless about mounting, transmission line to run to my xcvr,
> etc. I guess this is why it has taken me 11 years since I¹ve been licensed
> to get this far!
>
> Any help would be appreciated! I have set a time frame of 2 months, to get
> this antenna, cleaned up, enclosure replaced and everything mounted and
> hooked up to my TS-850.
>
> 74,
>
> John WH6DQU
>
> On 12/9/11 11:21 PM, "Memwl" <modkulla@... <mailto:modkulla%40yahoo.com>
> > wrote:
>

>> >
>> >
>> >
>> >
>> >
>> > http://www.dxzone.com/dx22763/cushcraft-r7-repair-and-tests.html
>> >
>> > Here is another link that has information on repair and maintenance
>> > I just sold one and wish I had not
>> >
>> > 73
>> > ke7sbe
>> > Michael
>> >
>> > [Non-text portions of this message have been removed]
>> >
>> >
>> >
>> >
>> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

21163. Re: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 01:11:13 UTC
From: Dan Schaaf
Topic: 21133 Message: 21163

That is the first Ham Radio related injury besides divorce that I have ever heard of.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

----- Original Message -----
From: Geoff Hegarty
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 10, 2011 7:43 PM
Subject: Re: [ham-antennas] Give US stations a laugh

I've always been slightly jealous of people who live in places like the UK where you don't (usually) have to worry about the presence of nasty snakes/spiders/etc.

But there you go. Hope you recover quickly.

Geoff

VK2HQA

From: jo barden <jobarden422@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, 11 December 2011 6:28 AM
Subject: [ham-antennas] Give US stations a laugh

Hi All

Being generally a sad/Eccentric Englishman my shack room also contains our pet reptiles. anyway I noticed that our male Western Hognose snake had shed so removed it anyway I now have rapidly expanding hand, been the fist person with Hognose bite at our local Hospital A&E. I knew I should not have played on the radio today!!!

Jon

G6UWK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21164. AW: [ham-antennas] Cushcraft R7

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 01:09:11 UTC
From: siegfried.jackstien
Topic: 21122 Message: 21164

The cushcraft antennas (the verticals) are off center fed halfwave dipoles

Fed close to one end it has about 200 ohms impedance or something liker that

That is the reason for the step up transformer and the choke at the base

If you would leave off the short radials it would be as you would cut a longer end away from a dipole ... result ... off resonance ... not well matched to coax ... wont work as suggested !

I modelled it in mmana (or a very close design) ... and without these short stingers the feed-point has nothing to work against (coax is isolated with the built-in choke) so there is simply half of the antenna missing

Or in an off center fed dipole (widomlike or like fd4 or similar) it would be as you would let away the shorter leg

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dean
> Gesendet: Sonntag, 11. Dezember 2011 00:35
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Cushcraft R7
>
>
>
> I used to own a Cushcraft vertical either an R6 or R7. There were radials
> but they were not ground radials. I gave it to a friend and his buddy said
> he could leave the radials off and when he took them off the antenna
> didn□t work very well. He finally contacted the company and they told him
> they had to be on there so he put them on and now it works great.
>
> 73, WY6L
>
> From: N3XX
> Sent: Saturday, December 10, 2011 4:29 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Cushcraft R7
>
> Hi John,
>
> If the MN7 box is cracked, I would look very closely at the matching
> network

> inside for any signs of damage or overheating.
>
> I would use fine sand paper or emery paper to get any rust/corrosion off
> of
> any metalic mating surfaces. Don't get too concerned about areas that
> don't
> make contact with other parts.
>
> Important - get some Penetrox and apply to any metal mating surfaces as
> you
> assemble the antenna (DX Engineering & many other places sell it - Google
> will find many sources). Connections will be good for many years if you
> use
> this.
>
> I have never owned an R7, and looking at the manual I don't see any
> suggestion about how high to mount it. I also looked at the R8 manual and
> it's suggested to mount the R8 at least 10' above ground. Just don't know
> about the R7.
> Also, most verticals require radials on or in the ground for proper
> operation. But I see no mention of this in the R7 manual. So maybe it is
> designed for operation without ground radials. Hopefully someone who has
> actually owned an R7 can point you in the right direction here.
>
> I always use RG-8 coax, but I run an amp most of the time, so it's a
> requirement. If you are only going feed the antenna with 100W from the
> xcvr, and not mounting the antenna more than a hundred feet away, RG-8X
> should be fine (and less costly). In this case use the same PL-259
> connectors that you would have for the RG-8, but an adapter for the
> smaller
> RG-8X cable will be required. Sorry I don't have the part number for the
> adapter, since I never use them.
>
> Hope this helps & good luck with getting on the air.
>
> 73,
> Tim - N3XX
>
> ----- Original Message -----
> From: "John Parker" <mailto:parkjv1%40gmail.com>
> To: <mailto:ham-antennas%40yahoogroups.com>
> Sent: Saturday, December 10, 2011 6:02 PM
> Subject: Re: [ham-antennas] Cushcraft R7
>
> Aloha everyone!
>
> I have done an inventory of my Cushcraft R-7. Thanks to Michael KE7SBE and
> Time N3XX for the URL links.
>

> It looks like my MN7 Box needs to be replaced as it has a huge crack on
> the
> back side and broken through. I have found an exact replacement for that
> for $5.00
>
> But, the condition of the antenna itself looks like it needs some
> maintenance, i.e. Rust spots, etc.
>
> Should I use something to sand that off and do I need to place any kind of
> protective coating on the antenna? I would imagine that due to the climate
> here on Oahu, this will be a constant battle for me.
>
> Any suggestions?
>
> Also, totally clueless about mounting, transmission line to run to my
> xcvr,
> etc. I guess this is why it has taken me 11 years since I¹ve been licensed
> to get this far!
>
> Any help would be appreciated! I have set a time frame of 2 months, to get
> this antenna, cleaned up, enclosure replaced and everything mounted and
> hooked up to my TS-850.
>
> 74,
>
> John WH6DQU
>
> On 12/9/11 11:21 PM, "Memwl" <mailto:modkulla%40yahoo.com> wrote:
>
> >
> >
> >
> >
> >
> > http://www.dxzone.com/dx22763/cushcraft-r7-repair-and-tests.html
> >
> > Here is another link that has information on repair and maintenance
> > I just sold one and wish I had not
> >
> > 73
> > ke7sbe
> > Michael
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >

>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

21165. AW: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 01:21:47 UTC
From: siegfried.jackstien
Topic: 21133 Message: 21165

Besides divorce, cutting in the hand while erecting antennas (cutting rope
or wire), falling from a tower, getting a hit from tube amp .... ham radio
is such a dangerous hobby (big grin)

From a place were you not have to worry (northern dl)
No snakes, no spiders,
and as most important thing :
NO THUNDERSTORMS / HURRICANES / TSUNAMI ... etc ....
Flat area from here to cost (abt 150km), no neighbours close (next is a half
mile away) so no man made noise ... ham radio heaven location (ok not as
good as radio arcala *g*)

Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dan Schaaf
> Gesendet: Sonntag, 11. Dezember 2011 01:11
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Give US stations a laugh
>
>
>
> That is the first Ham Radio related injury besides divorce that I have
> ever heard of.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> ----- Original Message -----
> From: Geoff Hegarty
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Saturday, December 10, 2011 7:43 PM
> Subject: Re: [ham-antennas] Give US stations a laugh
>
> I've always been slightly jealous of people who live in places like the UK
> where you don't (usually) have to worry about the presence of nasty
> snakes/spiders/etc.
>

> But there you go. Hope you recover quickly.
>
> Geoff
>
> VK2HQA
>
> _____
> From: jo barden <jobarden422@... <mailto:jobarden422%40msn.com> >
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Sunday, 11 December 2011 6:28 AM
> Subject: [ham-antennas] Give US stations a laugh
>
> Hi All
>
> Being generally a sad/Eccentric Englishman my shack room also contains our
> pet reptiles. anyway I noticed that our male Western Hognose snake had
> shed so removed it anyway I now have rapidly expanding hand, been the fist
> person with Hognose bite at our local Hospital A&E. I knew I should not
> have played on the radio today!!!
>
> Jon
>
> G6UWK
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

21166. Re: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 02:31:36 UTC
From: David Myers
Topic: 21117 Message: 21166

-----Original Message-----
From: Ernie Rice
Sent: Sunday, December 11, 2011 10:15 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Open stub J-pole

Mounted to the metal mast (the mast is grounded) it will be grounded! I am just trying to find out if it can be bolted directly to the mast or needs insulated from the mast!

Ernie

_____

Ernie,

Just bolt it direct to the mast. No insulation needed.
These are a DC coupled antenna (like the old Ringo Ranger) and can connect to DC Ground.

Mine is made of hard drawn copper tubing and has been up for 17 years and still going strong.

Put it up and enjoy.

73

Dave VK2RD / VE3DFK

21167. Re: [ham-antennas] Nested Delta loops and mult-band dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 02:49:59 UTC
From: Artekmedia
Topic: 21123 Message: 21167

Before the balun

On 12/10/2011 6:19 AM, Richard wrote:
>
> Hi
> When nesting Delta loops, do you common the feed point before the 4:1
> balun or after it, that would be
> combining the two 50 ohm feeds,
> or using transmission lines the match the combined 32 ohm (16ohm back
> up to 50 ohm).
>
> The 10 mtr D loop works fine, I dont want to lose too much of its
> performance, nesting would be for 20
> mtrs and 10 mtrs.
>
> After measuring out the yard I can put up a half wave dipole on 40
> mtrs, 30' above ground level. If I use
> that as a multiband dipole by adding a 17 mtr dipole from the
> feed-point, what separation is advised
> between the two non harmonically related dipoles.
>
> Thanks
>
> --
> Best wishes / 73
> Richard Bown
>
> e-mail: richard@... <mailto:richard%40g8jvm.com> or
> richard.bown@... <mailto:richard.bown%40blueyonder.co.uk>
>
> nil carborundum a illegitemis
> ##
> Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon
> 5200, 4 GB RAM
> Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
> QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
> ##
>
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com

PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21168. Re: spiro antenna shorteners

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 02:55:05 UTC
From: Mike Rodgers
Topic: 21089 Message: 21168

They most likely shorten the bandwidth as well.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

21169. Re: [ham-antennas] J-poles --> Insulated stub?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 03:30:44 UTC
From: Ron Youvan
Topic: 21025 Message: 21169

Todd KF7SIS wrote:

> I've hunted all over, but I can't find anything on this.

> I've seen some designs for J-poles that insulate the stub from the main element instead of the
> typical electrically-continuous (at least for DC) pipe or rod with two feed points (center on one
> and shield on the other) . Frankly, I don't know enough about antenna design or RF behavior to
> understand how the typical j-pole arrangement works. It looks like a pretty good ground or power bus
> to me, but I still mostly think in DC rather than RF AC.

> Any thoughts on the insulated-elements issue? A micro-tutorial on j-pole theory?

A "J" pole antenna is much the same as the old "Zep" antenna.
Both are a dipole antennas (1/2 wl long) fed by a 1/4 wl "stub."
The "Zep" (short for Zeppelin) is generally fed directly into the end of the stub, the "J" pole is
generally fed slightly away from the shorted end of the stub. The old "Zep" antenna were fed from
tube transmitters with excessive tuning capacity, allowing some compensation for antenna irregularities.

The "J" pole antenna is fed a distance from the shorted end of the stub, based on the transmission line's impedance. Close to the short if fed with 50 Ohm cable, up a bit further (from
the short) if fed with 75 Ohm cable, higher (further from the short) if fed with 300, 450 or 600 Ohm
line. The center conductor of the coax can connect to either side of the stub.
The stub serves as an adjustable transformer, to allow correct match to the transmission line.
The bottom of the stub is at zero Ohms while the top is over 10,000 Ohms which nicely matches the
end of a dipole. The connection between a vertically mounted dipole and the stub is a very high
voltage low current area, half way up (1.4 wl) in the center of the dipole the voltage is zero and
the current is at it's maximum. At the top of the dipole is a very high voltage low current area, as
is the other end of the dipole, but the polarity is reversed.
The stub of a "J" pole antenna can be mounted horizontally or vertically. The dipole of a "J" pole
antenna can be mounted horizontally or vertically. The stub and dipole can be mounted the same or

at a 90 degree angle.
Two dipoles can be fed from the opposite terminals of a single stub. (in opposite directions)
This 1 wl long antenna will have 1.8 dB gain over one dipole, not 3 dB. (the dipoles are too close
together, the pattern is not optimum)
VHF and UHF "J" pole antennas frequently have 3 to 6 turns of transmission line coiled just below
the antenna proper as a "poor man's balun" to lesson the effects of the dress of the transmission
line in the match or tuning of the antenna. Ferrite baluns generally perform poorly at VHF and UHF
frequencies.
"J" pole antennas work great from 160 meters to UHF. It's hard to beat a dipole.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21170. Re: AW: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 03:31:57 UTC
From: Walt
Topic: 21133 Message: 21170

Perhaps I qualify as I fell a few weeks ago after putting up a new 2 meter antenna. Good thing I was finished. 10 feet to solid deck , did me in for a while

From: siegfried.jackstien
Sent: Saturday, December 10, 2011 8:21 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Give US stations a laugh

Besides divorce, cutting in the hand while erecting antennas (cutting rope or wire), falling from a tower, getting a hit from tube amp .... ham radio is such a dangerous hobby (big grin)

From a place were you not have to worry (northern dl)
No snakes, no spiders,
and as most important thing :
NO THUNDERSTORMS / HURRICANES / TSUNAMI ... etc ....
Flat area from here to cost (abt 150km), no neighbours close (next is a half mile away) so no man made noise ... ham radio heaven location (ok not as good as radio arcala *g*)

Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Dan Schaaf
> Gesendet: Sonntag, 11. Dezember 2011 01:11
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: [ham-antennas] Give US stations a laugh
>
>
>
> That is the first Ham Radio related injury besides divorce that I have
> ever heard of.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> ----- Original Message -----

> From: Geoff Hegarty
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Saturday, December 10, 2011 7:43 PM
> Subject: Re: [ham-antennas] Give US stations a laugh
>
> I've always been slightly jealous of people who live in places like the UK
> where you don't (usually) have to worry about the presence of nasty
> snakes/spiders/etc.
>
> But there you go. Hope you recover quickly.
>
> Geoff
>
> VK2HQA
>
> _____
> From: jo barden <mailto:jobarden422%40msn.com <mailto:jobarden422%40msn.com> >
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Sunday, 11 December 2011 6:28 AM
> Subject: [ham-antennas] Give US stations a laugh
>
> Hi All
>
> Being generally a sad/Eccentric Englishman my shack room also contains our
> pet reptiles. anyway I noticed that our male Western Hognose snake had
> shed so removed it anyway I now have rapidly expanding hand, been the fist
> person with Hognose bite at our local Hospital A&E. I knew I should not
> have played on the radio today!!!
>
> Jon
>
> G6UWK
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1873 / Virus Database: 2102/4672 - Release Date: 12/10/11

[Non-text portions of this message have been removed]

21171. RE: AW: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 04:21:33 UTC
From: Richard Schmuke
Topic: 21133 Message: 21171

Well it is not exactly radio but you can laugh at me if you want to. I had a little problem with my hand. I have worked with machines all my life. I was doing a job on the front door and needed a couple of wood shims. I went to the shop, grabbed a section of 2x6 and cut the shims. I looked at the first one and saw that the edge was rounded like the edge of a 2x6 would be and I wanted all square edges so I quickly picked up the wood to cut one more, ran it thru the saw and cut the end of my finger off.

Now comes the problem, I ran to the house, yelled for the wife to get the car keys and take me to a hospital. Well she did but that mean woman took me to a mental hospital. The closet place that was a regular hospital still had a emergency room but is now the mental facility for a group of hospitals. I can post a picture if needed for you pleasure.

Rich, AKA "Stubby" or Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Walt
Sent: Saturday, December 10, 2011 9:32 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Give US stations a laugh

Perhaps I qualify as I fell a few weeks ago after putting up a new 2 meter antenna. Good thing I was finished. 10 feet to solid deck , did me in for a while

From: siegfried.jackstien
Sent: Saturday, December 10, 2011 8:21 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: AW: [ham-antennas] Give US stations a laugh

Besides divorce, cutting in the hand while erecting antennas (cutting rope
or wire), falling from a tower, getting a hit from tube amp .... ham radio
is such a dangerous hobby (big grin)

From a place were you not have to worry (northern dl)
No snakes, no spiders,
and as most important thing :
NO THUNDERSTORMS / HURRICANES / TSUNAMI ... etc ....
Flat area from here to cost (abt 150km), no neighbours close (next is a half
mile away) so no man made noise ... ham radio heaven location (ok not as
good as radio arcala *g*)

Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: mailto:ham-antennas%40yahoogroups.com
[mailto:mailto:ham-antennas%40yahoogroups.com] Im
> Auftrag von Dan Schaaf

> Gesendet: Sonntag, 11. Dezember 2011 01:11
> An: mailto:ham-antennas%40yahoogroups.com
> Betreff: Re: [ham-antennas] Give US stations a laugh
>
>
>
> That is the first Ham Radio related injury besides divorce that I have
> ever heard of.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> ----- Original Message -----
> From: Geoff Hegarty
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Saturday, December 10, 2011 7:43 PM
> Subject: Re: [ham-antennas] Give US stations a laugh
>
> I've always been slightly jealous of people who live in places like the UK
> where you don't (usually) have to worry about the presence of nasty
> snakes/spiders/etc.
>
> But there you go. Hope you recover quickly.
>
> Geoff
>
> VK2HQA
>
> _____
> From: jo barden <mailto:jobarden422%40msn.com <mailto:jobarden422%40msn.com> >
> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Sunday, 11 December 2011 6:28 AM
> Subject: [ham-antennas] Give US stations a laugh
>
> Hi All
>
> Being generally a sad/Eccentric Englishman my shack room also contains our
> pet reptiles. anyway I noticed that our male Western Hognose snake had
> shed so removed it anyway I now have rapidly expanding hand, been the fist
> person with Hognose bite at our local Hospital A&E. I knew I should not
> have played on the radio today!!!
>
> Jon
>
> G6UWK

>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1873 / Virus Database: 2102/4672 - Release Date: 12/10/11

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21172. RE: [ham-antennas] Wire size and solid versus stranded

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 04:44:27 UTC
From: John P.
Topic: 21133 Message: 21172

Hi,

  I use #14 or #12 stranded and insulated wire. It is not expensive at places like Home Desperation (Depot).

Remember also that the insulation reduces the velocity factor by 3% to 5%.

  I have had great results with a fan dipole for 75, 40 and 20.

  Of course it is still prudent to support no only at the ends but the center.

John - WA2HIP
http://wa2hip.com

--- On Sat, 12/10/11, Richard Schmuke <rdj@wildblue.net> wrote:

From: Richard Schmuke <rdj@...>
Subject: RE: [ham-antennas] Wire size and solid versus stranded
To: ham-antennas@yahoogroups.com
Date: Saturday, December 10, 2011, 11:30 AM

I don't think you will find much band width difference at these HF

frequencies. The 12ga is needed for support as the main wire. Any size wire

, solid or stranded that does not break will work as the fan. It must be

within reason, 30 gage and up might not hold a bird, 16, 18 or so would

work.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On

Behalf Of Robert Costa, KB6QXM

Sent: Saturday, December 10, 2011 10:06 AM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Wire size and solid versus stranded

All,

Now that I have obtained my test bed fan dipole, I need to ask the group

some questions.

I will be adding many additional parallel wires to the Alpha-Delta DX-lb to

add 60 meters along with all of the WARC bands, I need to understand the pros and cons of larger gauge wire, solid core versus stranded.

Alpha Delta uses solid core 12 gauge for their antennas.

I like the look and the rigid nature of solid core 12 gauge. Considering the narrow bandwidth of 60, 30, 17 and 12, is the large solid core wire needed?

Any thoughts?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21173. Re: [ham-antennas] Nested Delta loops and mult-band dipoles

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 09:28:19 UTC
From: Richard
Topic: 21123 Message: 21173

On Sat, 10 Dec 2011 20:49:59 -0600
Artekmedia <nr1dx@...> wrote:

> Before the balun
>
> On 12/10/2011 6:19 AM, Richard wrote:
> >
> > Hi
> > When nesting Delta loops, do you common the feed point before the 4:1
> > balun or after it, that would be
> > combining the two 50 ohm feeds,
> > or using transmission lines the match the combined 32 ohm (16ohm back
> > up to 50 ohm).
> >
> > The 10 mtr D loop works fine, I dont want to lose too much of its
> > performance, nesting would be for 20
> > mtrs and 10 mtrs.
> >
> > After measuring out the yard I can put up a half wave dipole on 40
> > mtrs, 30' above ground level. If I use
> > that as a multiband dipole by adding a 17 mtr dipole from the
> > feed-point, what separation is advised
> > between the two non harmonically related dipoles.

Many thanks for the reply

--
Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
##

21174. AW: AW: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 11:33:05 UTC
From: siegfried.jackstien
Topic: 21133 Message: 21174

If you work at a saw NEVER EVER do a "quickly last cut" .... it will most of the time really be your last one if the saw catches your finger(s) OR SOMETHING ELSE!!! (see below)
No need for a picture .... I cut myself in the left leg just below the knee with a CHAIN SAW !!! that was at work ... same thing ... oh lets make a fast cut here and there just at the end of the day ... maybe brain was already on the way home ... who knows ... guess what ... it was no fun to see the red fluid running in my shoes ... and seeing the bone really shocked me!!
But I had luck in that accident ... only skin cut ... nothing important damaged at the leg ... now I have a "zip" below my knee that remembers me to use the safety pants on EVERY cut with the chain saw
Now the safety pants is in a box on-top of the saw ... so whenever I will use the saw I have to take the pants in the hands anyway to get to the saw and then putting your legs in it is no problem :-)
Greets (and be careful whatever you do!!)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard Schmuke
> Gesendet: Sonntag, 11. Dezember 2011 04:22
> An: ham-antennas@yahoogroups.com
> Betreff: RE: AW: [ham-antennas] Give US stations a laugh
>
>
>
> Well it is not exactly radio but you can laugh at me if you want to. I had
> a little problem with my hand. I have worked with machines all my life. I
> was doing a job on the front door and needed a couple of wood shims. I
> went to the shop, grabbed a section of 2x6 and cut the shims. I looked at
> the first one and saw that the edge was rounded like the edge of a 2x6
> would be and I wanted all square edges so I quickly picked up the wood to
> cut one more, ran it thru the saw and cut the end of my finger off.
>
> Now comes the problem, I ran to the house, yelled for the wife to get the
> car keys and take me to a hospital. Well she did but that mean woman took
> me to a mental hospital. The closet place that was a regular hospital
> still had a emergency room but is now the mental facility for a group of
> hospitals. I can post a picture if needed for you pleasure.
>
> Rich, AKA "Stubby" or Kd0zz
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-

> antennas%40yahoogroups.com>] On Behalf Of Walt
> Sent: Saturday, December 10, 2011 9:32 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: AW: [ham-antennas] Give US stations a laugh
>
> Perhaps I qualify as I fell a few weeks ago after putting up a new 2 meter
> antenna. Good thing I was finished. 10 feet to solid deck , did me in for
> a while
>
> From: siegfried.jackstien
> Sent: Saturday, December 10, 2011 8:21 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> Subject: AW: [ham-antennas] Give US stations a laugh
>
> Besides divorce, cutting in the hand while erecting antennas (cutting rope
> or wire), falling from a tower, getting a hit from tube amp .... ham radio
> is such a dangerous hobby (big grin)
>
> From a place were you not have to worry (northern dl)
> No snakes, no spiders,
> and as most important thing :
> NO THUNDERSTORMS / HURRICANES / TSUNAMI ... etc ....
> Flat area from here to cost (abt 150km), no neighbours close (next is a
> half
> mile away) so no man made noise ... ham radio heaven location (ok not as
> good as radio arcala *g*)
>
> Greetz
> Sigi
> Dg9bfc
>
> > -----Ursprüngliche Nachricht-----
> > Von: mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> antennas%40yahoogroups.com] Im
> > Auftrag von Dan Schaaf
> > Gesendet: Sonntag, 11. Dezember 2011 01:11
> > An: mailto:ham-antennas%40yahoogroups.com
> > Betreff: Re: [ham-antennas] Give US stations a laugh
> >
> >
> >
> > That is the first Ham Radio related injury besides divorce that I have
> > ever heard of.
> >
> > Best Regards
> > Dan Schaaf
> > K3ZXL www.k3zxl.com
> > NOBSKA www.nobska.net
> > Cape Cod Instruments www.gnm-inc.com

> > Tel: 941-766-0706
> > Fax: 941-766-0707
> >
> > ----- Original Message -----
> > From: Geoff Hegarty
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Sent: Saturday, December 10, 2011 7:43 PM
> > Subject: Re: [ham-antennas] Give US stations a laugh
> >
> > I've always been slightly jealous of people who live in places like the
> UK
> > where you don't (usually) have to worry about the presence of nasty
> > snakes/spiders/etc.
> >
> > But there you go. Hope you recover quickly.
> >
> > Geoff
> >
> > VK2HQA
> >
> > _____
> > From: jo barden <mailto:jobarden422%40msn.com
> <mailto:jobarden422%40msn.com> >
> > To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > Sent: Sunday, 11 December 2011 6:28 AM
> > Subject: [ham-antennas] Give US stations a laugh
> >
> > Hi All
> >
> > Being generally a sad/Eccentric Englishman my shack room also contains
> our
> > pet reptiles. anyway I noticed that our male Western Hognose snake had
> > shed so removed it anyway I now have rapidly expanding hand, been the
> fist
> > person with Hognose bite at our local Hospital A&E. I knew I should not
> > have played on the radio today!!!
> >
> > Jon
> >
> > G6UWK
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >

> >
> >
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1873 / Virus Database: 2102/4672 - Release Date: 12/10/11
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

21175. RE: AW: AW: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 13:50:00 UTC
From: goldtr8@charter.net
Topic: 21133 Message: 21175

Siegfried,

Thanks for sharing, I only casually use a chain saw, and I think the pants and proper boots are now something that I will have to get before I use the saw again in the future.

I have had a close call once due to stupidity but nothing happened but your warning will be paid attention too.

~73
Don
KD8NNU

On Sun, Dec 11, 2011 at 6:33 AM, siegfried.jackstien wrote:

If you work at a saw NEVER EVER do a "quickly last cut" .... it will most of
the time really be your last one if the saw catches your finger(s)
OR SOMETHING ELSE!!! (see below)
No need for a picture .... I cut myself in the left leg just below the knee
with a CHAIN SAW !!! that was at work ... same thing ... oh lets make a fast
cut here and there just at the end of the day ... maybe brain was already on
the way home ... who knows ... guess what ... it was no fun to see the red
fluid running in my shoes ... and seeing the bone really shocked me!!
But I had luck in that accident ... only skin cut ... nothing important
damaged at the leg ... now I have a "zip" below my knee that remembers me to
use the safety pants on EVERY cut with the chain saw
Now the safety pants is in a box on-top of the saw ... so whenever I will
use the saw I have to take the pants in the hands anyway to get to the saw
and then putting your legs in it is no problem :-)
Greets (and be careful whatever you do!!)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> [mailto: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>] Im Auftrag von Richard Schmuke Gesendet: Sonntag, 11. Dezember 2011

> 04:22 An: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> Betreff: RE: AW: [ham-antennas] Give US stations a laugh
>
>
> Well it is not exactly radio but you can laugh at me if you want to. I
> had a little problem with my hand. I have worked with machines all my
> life. I was doing a job on the front door and needed a couple of wood
> shims. I went to the shop, grabbed a section of 2x6 and cut the shims.
> I looked at the first one and saw that the edge was rounded like the
> edge of a 2x6 would be and I wanted all square edges so I quickly
> picked up the wood to cut one more, ran it thru the saw and cut the
> end of my finger off.
> Now comes the problem, I ran to the house, yelled for the wife to get
> the car keys and take me to a hospital. Well she did but that mean
> woman took me to a mental hospital. The closet place that was a
> regular hospital still had a emergency room but is now the mental
> facility for a group of hospitals. I can post a picture if needed for
> you pleasure.
> Rich, AKA "Stubby" or Kd0zz
> From: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> <mailto:ham-antennas%40yahoogroups.com> [mailto:
> ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> <mailto:ham- antennas%40yahoogroups.com>] On Behalf Of Walt Sent:
> Saturday, December 10, 2011 9:32 PM To: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> <mailto:ham-antennas%40yahoogroups.com> Subject: Re: AW:
> [ham-antennas] Give US stations a laugh
> Perhaps I qualify as I fell a few weeks ago after putting up a new 2
> meter antenna. Good thing I was finished. 10 feet to solid deck , did
> me in for a while
> From: siegfried.jackstien Sent: Saturday, December 10, 2011 8:21 PM
> To: ham-antennas@yahoogroups.com
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com> Subject: AW: [ham-antennas]
> Give US stations a laugh
> Besides divorce, cutting in the hand while erecting antennas (cutting
> rope or wire), falling from a tower, getting a hit from tube amp ....
> ham radio is such a dangerous hobby (big grin)
> From a place were you not have to worry (northern dl) No snakes, no
> spiders, and as most important thing : NO THUNDERSTORMS / HURRICANES /
> TSUNAMI ... etc .... Flat area from here to cost (abt 150km), no
> neighbours close (next is a half mile away) so no man made noise ...
> ham radio heaven location (ok not as good as radio arcala *g*)
> Greetz Sigi Dg9bfc
>> -----Ursprüngliche Nachricht----- Von:
>> mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-

> antennas%40yahoogroups.com] Im
>> Auftrag von Dan Schaaf Gesendet: Sonntag, 11. Dezember 2011 01:11 An:
>> mailto:ham-antennas%40yahoogroups.com Betreff: Re: [ham-antennas]
>> Give US stations a laugh
>>
>>
>> That is the first Ham Radio related injury besides divorce that I
>> have ever heard of.
>> Best Regards Dan Schaaf K3ZXL www.k3zxl.com NOBSKA www.nobska.net
>> Cape Cod Instruments www.gnm-inc.com Tel: 941-766-0706 Fax:
>> 941-766-0707
>> ----- Original Message ----- From: Geoff Hegarty To:
>> mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
>> Sent: Saturday, December 10, 2011 7:43 PM Subject: Re: [ham-antennas]
>> Give US stations a laugh
>> I've always been slightly jealous of people who live in places like
>> the
> UK
>> where you don't (usually) have to worry about the presence of nasty
>> snakes/spiders/etc.
>> But there you go. Hope you recover quickly.
>> Geoff
>> VK2HQA
>> _____ From: jo barden
>> <mailto:jobarden422%40msn.com
> <mailto:jobarden422%40msn.com> >
>> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
>> Sent: Sunday, 11 December 2011 6:28 AM Subject: [ham-antennas] Give
>> US stations a laugh
>> Hi All
>> Being generally a sad/Eccentric Englishman my shack room also
>> contains
> our
>> pet reptiles. anyway I noticed that our male Western Hognose snake
>> had shed so removed it anyway I now have rapidly expanding hand, been
>> the
> fist
>> person with Hognose bite at our local Hospital A&E. I knew I should
>> not have played on the radio today!!!
>> Jon
>> G6UWK
>> [Non-text portions of this message have been removed]
>> [Non-text portions of this message have been removed]
>> [Non-text portions of this message have been removed]
>>
>>
>>
>

> No virus found in this message. Checked by AVG - www.avg.com Version:
> 2012.0.1873 / Virus Database: 2102/4672 - Release Date: 12/10/11
> [Non-text portions of this message have been removed]
> [Non-text portions of this message have been removed]
>
>
>

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

21176. Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 14:38:23 UTC
From: Benjamin Straw - KC9UNS
Topic: 21176 Message: 21176

I have an odd problem, about a week ago I noticed severe static/noise on 2 meters and even worse on 70 cm. Here is where it it gets odd it only happens between 10 am and 2 pm then it starts to fade away by 3:30 pm and then all is fine.
I just put up a new antenna with new coax so that has been ruled out and I can talk on local strong repeaters but not the ones on 70cm as the noise sounds like popcorn poping. The only way I can describe this noise/static is if someone who is normally S5 on simplex, is now S7 and is barely readable. A lot of people said it was Christmas lights but it's only during the day. I have unplugged everything in the house, turned off breakers, and even tried another rig and still cant figure it out.
So I ask what do you think it is?
Ben KC9UNS

21177. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 14:44:33 UTC
From: Ron Youvan
Topic: 21176 Message: 21177

Benjamin Straw - KC9UNS wrote:

> I have an odd problem, about a week ago I noticed severe static/noise on 2 meters and even worse on
> 70 cm. Here is where it it gets odd it only happens between 10 am and 2 pm then it starts to fade
> away by 3:30 pm and then all is fine.
> I just put up a new antenna with new coax so that has been ruled out and I can talk on local strong
> repeaters but not the ones on 70cm as the noise sounds like popcorn popping. The only way I can
> describe this noise/static is if someone who is normally S5 on simplex, is now S7 and is barely
> readable. A lot of people said it was Christmas lights but it's only during the day. I have
> unplugged everything in the house, turned off breakers, and even tried another rig and still can't
> figure it out.
> So I ask what do you think it is?

You don't say if this is on AM, FM, SSB or CW, you don't say if any noise is there with the antenna is disconnected or if it is there with a "rubber ducky" (with adapters) is used on the back
of the radio.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21178. Σχετ: [ham-antennas] Termaline/bird 82A c onnector type ?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 15:04:11 UTC
From: Vaidanis
Topic: 21143 Message: 21178

Hi Francesco,
it's an LC connector (I have the "C" version...).

73's
Konstantinos SV1GSI

Απο: francesco <martuccif@...>
Προς: ham-antennas@yahoogroups.com
Στάλθηκε: 9:01 μ.μ. Σάββατο, 10 Δεκεμβρίου 2011
Θεμα: [ham-antennas] Termaline/bird 82A connector type ?

can any ham indicate me which type of connector ,similar to a bigger SO239, is equipped on dummy load 82A actually on ebay auction 230578961254 (i have the same dummy load) ? .In the auction is indicated as LC type , i am not sure it is.
francesco i8fym

[Non-text portions of this message have been removed]

21179. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 15:13:03 UTC
From: Benjamin Straw - KC9UNS
Topic: 21176 Message: 21179

Sorry I just assumed FM because most radios are FM, but yes the noise/static is on FM (BTW the radio is a Kenwood TM-G707).
My HT goes nuts all the time(some RFI in the shack) but not as bad as of late. There are no adapters attached the coax other than when I do connect the ht to the outdoor antenna. And like I said in the last email I replaced my antenna and coax just a few days ago, I went from a homemade ground plane to a 17ft vertical and went from rg8x to rg213 coax
Ben KC9UNS

>
>
> You don't say if this is on AM, FM, SSB or CW, you don't say if any noise is there with the
> antenna is disconnected or if it is there with a "rubber ducky" (with adapters) is used on the back
> of the radio.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

[Non-text portions of this message have been removed]

21180. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 17:17:09 UTC
From: Ron Youvan
Topic: 21176 Message: 21180

Benjamin Straw - KC9UNS wrote:

> Sorry I just assumed FM because most radios are FM, but yes the noise/static is on FM (BTW the radio
> is a Kenwood TM-G707).
> My HT goes nuts all the time(some RFI in the shack) but not as bad as of late. There are no adapters
> attached the coax other than when I do connect the ht to the outdoor antenna. And like I said in the
> last email I replaced my antenna and coax just a few days ago, I went from a homemade ground plane
> to a 17ft vertical and went from RG-8X to RG-213 coax.

It takes a strong noise signal to cause noise over a FM signal. You need to be the detective.
A pocket am receiver (or larger as do a few HAM handy talkeys that have very wide band am receivers
in them) frequently have a "ferrite loop" antenna that can be quite directional, one of these can be
used to locate the source of noise if yo slowly walk around the block listening and pointing.
When the axis of the "ferrite loop" antenna is aimed at the noise source the nose will be nulled.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21181. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 17:31:35 UTC
From: Doyle Hardy
Topic: 21176 Message: 21181

Do you have cable TV in your area? I had leakage from the cable system leaking into 2m and 440. I was getting a S9+60db signal on a Kenwood TS-2000 from the cable. I watched my radio as the cable tech tightened the connection on the cable and interference went below the noise level. Google the cable network frequencies and see which channel you are hearing.

Doyle
K5HTE
----- Original Message -----
From: "Benjamin Straw - KC9UNS" <kc9uns@...>
To: <HamRadioHelpGroup@yahoogroups.com>; <ham-antennas@yahoogroups.com>
Sent: Sunday, December 11, 2011 8:38 AM
Subject: [ham-antennas] Static/noise on 2m & 70cm

>I have an odd problem, about a week ago I noticed severe static/noise on 2
>meters and even worse on 70 cm. Here is where it it gets odd it only
>happens between 10 am and 2 pm then it starts to fade away by 3:30 pm and
>then all is fine.
> I just put up a new antenna with new coax so that has been ruled out and I
> can talk on local strong repeaters but not the ones on 70cm as the noise
> sounds like popcorn poping. The only way I can describe this noise/static
> is if someone who is normally S5 on simplex, is now S7 and is barely
> readable. A lot of people said it was Christmas lights but it's only
> during the day. I have unplugged everything in the house, turned off
> breakers, and even tried another rig and still cant figure it out.
> So I ask what do you think it is?
> Ben KC9UNS
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21182. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 19:02:43 UTC
From: Benjamin Straw
Topic: 21176 Message: 21182

I see how I can find out where it is... But how about whats odd about the noise its starts at around 10-11am and lasts till 3pm. That is whats odd about it.

On Sun, Dec 11, 2011 at 11:31 AM, Doyle Hardy <k5hte@...> wrote:

> **
>
>
> Do you have cable TV in your area? I had leakage from the cable system
> leaking into 2m and 440. I was getting a S9+60db signal on a Kenwood
> TS-2000
> from the cable. I watched my radio as the cable tech tightened the
> connection on the cable and interference went below the noise level.
> Google
> the cable network frequencies and see which channel you are hearing.
>
> Doyle
> K5HTE
>
> ----- Original Message -----
> From: "Benjamin Straw - KC9UNS" <kc9uns@...>
> To: <HamRadioHelpGroup@yahoogroups.com>; <ham-antennas@yahoogroups.com>
> Sent: Sunday, December 11, 2011 8:38 AM
> Subject: [ham-antennas] Static/noise on 2m & 70cm
>
> >I have an odd problem, about a week ago I noticed severe static/noise on
> 2
> >meters and even worse on 70 cm. Here is where it it gets odd it only
> >happens between 10 am and 2 pm then it starts to fade away by 3:30 pm and
> >then all is fine.
> > I just put up a new antenna with new coax so that has been ruled out and
> I
> > can talk on local strong repeaters but not the ones on 70cm as the noise
> > sounds like popcorn poping. The only way I can describe this
> noise/static
> > is if someone who is normally S5 on simplex, is now S7 and is barely
> > readable. A lot of people said it was Christmas lights but it's only
> > during the day. I have unplugged everything in the house, turned off
> > breakers, and even tried another rig and still cant figure it out.
> > So I ask what do you think it is?
> > Ben KC9UNS
> >
> >
> > ------------------------------------

>
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>
>
>

--
73, Benjamin A Straw - KC9UNS
5344 Wilson St. Merrillville, IN 46410
Phone: (219) 712-8103

[Non-text portions of this message have been removed]

21183. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 19:42:32 UTC
From: Skip Taylor
Topic: 21176 Message: 21183

If it is always at certain hours, that may indicate a business. Are there any medical offices near you (including chiropractic)? Some of their equipment may emit RFI.

Do you receive this on your HT if it is hooked up to the antenna?

If all else fails, you may want to talk to your local power company. When I was having problems with RFI, they sent out a troubleshooter with directional equipment and located the problem. It turned out to be a neighbor running large woodworking equipment.

On Sun, Dec 11, 2011 at 11:02 AM, Benjamin Straw <kc9uns@...> wrote:

> I see how I can find out where it is... But how about whats odd about the
> noise its starts at around 10-11am and lasts till 3pm. That is whats odd
> about it.
>
>

[Non-text portions of this message have been removed]

21184. AW: AW: AW: [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 20:06:37 UTC
From: siegfried.jackstien
Topic: 21133 Message: 21184

Pants and boots (and helmet with visor) is cheaper as a new leg :-)
Greetz
And take care
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von goldtr8@...
> Gesendet: Sonntag, 11. Dezember 2011 13:50
> An: ham-antennas@yahoogroups.com
> Cc: ham-antennas@yahoogroups.com
> Betreff: RE: AW: AW: [ham-antennas] Give US stations a laugh
>
>
>
>
> Siegfried,
>
> Thanks for sharing, I only casually use a chain saw, and I think the
> pants and proper boots are now something that I will have to get before
> I use the saw again in the future.
>
> I have had a close call once due to stupidity but nothing happened but
> your warning will be paid attention too.
>
> ~73
> Don
> KD8NNU
>
> On Sun, Dec 11, 2011 at 6:33 AM, siegfried.jackstien wrote:
>
> If you work at a saw NEVER EVER do a "quickly last cut" .... it will
> most of
> the time really be your last one if the saw catches your finger(s)
> OR SOMETHING ELSE!!! (see below)
> No need for a picture .... I cut myself in the left leg just below the
> knee
> with a CHAIN SAW !!! that was at work ... same thing ... oh lets make a
> fast
> cut here and there just at the end of the day ... maybe brain was
> already on
> the way home ... who knows ... guess what ... it was no fun to see the
> red
> fluid running in my shoes ... and seeing the bone really shocked me!!
> But I had luck in that accident ... only skin cut ... nothing important

> damaged at the leg ... now I have a "zip" below my knee that remembers
> me to
> use the safety pants on EVERY cut with the chain saw
> Now the safety pants is in a box on-top of the saw ... so whenever I
> will
> use the saw I have to take the pants in the hands anyway to get to the
> saw
> and then putting your legs in it is no problem :-)
> Greets (and be careful whatever you do!!)
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht----- Von: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@...m <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > [mailto: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> >] Im Auftrag von Richard Schmuke Gesendet: Sonntag, 11. Dezember 2011
> > 04:22 An: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > Betreff: RE: AW: [ham-antennas] Give US stations a laugh
> >
> >
> > Well it is not exactly radio but you can laugh at me if you want to. I
> > had a little problem with my hand. I have worked with machines all my
> > life. I was doing a job on the front door and needed a couple of wood
> > shims. I went to the shop, grabbed a section of 2x6 and cut the shims.
> > I looked at the first one and saw that the edge was rounded like the
> > edge of a 2x6 would be and I wanted all square edges so I quickly
> > picked up the wood to cut one more, ran it thru the saw and cut the
> > end of my finger off.
> > Now comes the problem, I ran to the house, yelled for the wife to get
> > the car keys and take me to a hospital. Well she did but that mean
> > woman took me to a mental hospital. The closet place that was a
> > regular hospital still had a emergency room but is now the mental
> > facility for a group of hospitals. I can post a picture if needed for
> > you pleasure.
> > Rich, AKA "Stubby" or Kd0zz
> > From: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > <mailto:ham-antennas%40yahoogroups.com> [mailto:
> > ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-

> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > <mailto:ham- antennas%40yahoogroups.com>] On Behalf Of Walt Sent:
> > Saturday, December 10, 2011 9:32 PM To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > <mailto:ham-antennas%40yahoogroups.com> Subject: Re: AW:
> > [ham-antennas] Give US stations a laugh
> > Perhaps I qualify as I fell a few weeks ago after putting up a new 2
> > meter antenna. Good thing I was finished. 10 feet to solid deck , did
> > me in for a while
> > From: siegfried.jackstien Sent: Saturday, December 10, 2011 8:21 PM
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > <javascript:parent.wgMail.openComposeWindow('ham-
> antennas@yahoogroups.com <mailto:%27ham-antennas%40yahoogroups.com> ')>
> > <mailto:ham-antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com> Subject: AW: [ham-antennas]
> > Give US stations a laugh
> > Besides divorce, cutting in the hand while erecting antennas (cutting
> > rope or wire), falling from a tower, getting a hit from tube amp ....
> > ham radio is such a dangerous hobby (big grin)
> > From a place were you not have to worry (northern dl) No snakes, no
> > spiders, and as most important thing : NO THUNDERSTORMS / HURRICANES /
> > TSUNAMI ... etc .... Flat area from here to cost (abt 150km), no
> > neighbours close (next is a half mile away) so no man made noise ...
> > ham radio heaven location (ok not as good as radio arcala *g*)
> > Greetz Sigi Dg9bfc
> >> -----Ursprüngliche Nachricht----- Von:
> >> mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > antennas%40yahoogroups.com] Im
> >> Auftrag von Dan Schaaf Gesendet: Sonntag, 11. Dezember 2011 01:11 An:
> >> mailto:ham-antennas%40yahoogroups.com Betreff: Re: [ham-antennas]
> >> Give US stations a laugh
> >>
> >>
> >> That is the first Ham Radio related injury besides divorce that I
> >> have ever heard of.
> >> Best Regards Dan Schaaf K3ZXL www.k3zxl.com NOBSKA www.nobska.net
> >> Cape Cod Instruments www.gnm-inc.com Tel: 941-766-0706 Fax:
> >> 941-766-0707
> >> ----- Original Message ----- From: Geoff Hegarty To:
> >> mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com>
> >> Sent: Saturday, December 10, 2011 7:43 PM Subject: Re: [ham-antennas]
> >> Give US stations a laugh
> >> I've always been slightly jealous of people who live in places like
> >> the
> > UK
> >> where you don't (usually) have to worry about the presence of nasty
> >> snakes/spiders/etc.

> >> But there you go. Hope you recover quickly.
> >> Geoff
> >> VK2HQA
> >> _____ From: jo barden
> >> <mailto:jobarden422%40msn.com
> > <mailto:jobarden422%40msn.com> >
> >> To: mailto:ham-antennas%40yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com>
> >> Sent: Sunday, 11 December 2011 6:28 AM Subject: [ham-antennas] Give
> >> US stations a laugh
> >> Hi All
> >> Being generally a sad/Eccentric Englishman my shack room also
> >> contains
> > our
> >> pet reptiles. anyway I noticed that our male Western Hognose snake
> >> had shed so removed it anyway I now have rapidly expanding hand, been
> >> the
> > fist
> >> person with Hognose bite at our local Hospital A&E. I knew I should
> >> not have played on the radio today!!!
> >> Jon
> >> G6UWK
> >> [Non-text portions of this message have been removed]
> >> [Non-text portions of this message have been removed]
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >>
> >
> > No virus found in this message. Checked by AVG - www.avg.com Version:
> > 2012.0.1873 / Virus Database: 2102/4672 - Release Date: 12/10/11
> > [Non-text portions of this message have been removed]
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> <javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
> <mailto:%27ham-antennas%40yahoogroups.com> ')>
> <http://docs.yahoo.com/info/terms/>
>
> [Non-text portions of this message have been removed]
>
>
>
>

21185. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 20:16:49 UTC
From: Ken
Topic: 21176 Message: 21185

On Dec 11, 2011, at 2:42 PM, Skip Taylor wrote:

> If it is always at certain hours, that may indicate a business. Are there
> any medical offices near you (including chiropractic)? Some of their
> equipment may emit RFI.

A fellow I worked with told about the large computer they always had crashing at 1 pm every Friday. One time at lunch they were talking with some military guys from the base across the road. They happened to mention that they tested a certain radar unit once a week....yep, Fridays at 1pm.

Ken WA8JXM

21186. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 20:23:55 UTC
From: Ernie Rice
Topic: 21176 Message: 21186

I had the same thing! I lived close to a hospital and from 9-3 static! Come to find out it was a unshielded portable power supply for some of their med equipment!

Ernie

On Sun, Dec 11, 2011 at 12:16 PM, Ken <wa8jxm@...m> wrote:

> **
>
>
>
> On Dec 11, 2011, at 2:42 PM, Skip Taylor wrote:
>
> > If it is always at certain hours, that may indicate a business. Are there
> > any medical offices near you (including chiropractic)? Some of their
> > equipment may emit RFI.
>
> A fellow I worked with told about the large computer they always had
> crashing at 1 pm every Friday. One time at lunch they were talking with
> some military guys from the base across the road. They happened to mention
> that they tested a certain radar unit once a week....yep, Fridays at 1pm.
>
> Ken WA8JXM
>
>

--
Remember that when you think you have it all figured out... you wake up to start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21187. AW: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 20:23:52 UTC
From: siegfried.jackstien
Topic: 21176 Message: 21187

Any solar panels new in the near area???
Could be the power inverter ...
From 10-11 am sun has enough energy for inverter to start ... and after a
few hours inverter switches off again ...
Or could be from the pump of a thermo solar panel
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Benjamin Straw
> Gesendet: Sonntag, 11. Dezember 2011 19:03
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Static/noise on 2m & 70cm
>
> I see how I can find out where it is... But how about whats odd about the
> noise its starts at around 10-11am and lasts till 3pm. That is whats odd
> about it.
>
> On Sun, Dec 11, 2011 at 11:31 AM, Doyle Hardy <k5hte@...> wrote:
>
> > **
> >
> >
> > Do you have cable TV in your area? I had leakage from the cable system
> > leaking into 2m and 440. I was getting a S9+60db signal on a Kenwood
> > TS-2000
> > from the cable. I watched my radio as the cable tech tightened the
> > connection on the cable and interference went below the noise level.
> > Google
> > the cable network frequencies and see which channel you are hearing.
> >
> > Doyle
> > K5HTE
> >
> > ----- Original Message -----
> > From: "Benjamin Straw - KC9UNS" <kc9uns@...>
> > To: <HamRadioHelpGroup@yahoogroups.com>; <ham-antennas@yahoogroups.com>
> > Sent: Sunday, December 11, 2011 8:38 AM
> > Subject: [ham-antennas] Static/noise on 2m & 70cm
> >
> > >I have an odd problem, about a week ago I noticed severe static/noise
> on
> > 2
> > >meters and even worse on 70 cm. Here is where it it gets odd it only

> > >happens between 10 am and 2 pm then it starts to fade away by 3:30 pm
> and
> > >then all is fine.
> > > I just put up a new antenna with new coax so that has been ruled out
> and
> > I
> > > can talk on local strong repeaters but not the ones on 70cm as the
> noise
> > > sounds like popcorn poping. The only way I can describe this
> > noise/static
> > > is if someone who is normally S5 on simplex, is now S7 and is barely
> > > readable. A lot of people said it was Christmas lights but it's only
> > > during the day. I have unplugged everything in the house, turned off
> > > breakers, and even tried another rig and still cant figure it out.
> > > So I ask what do you think it is?
> > > Ben KC9UNS
> > >
> > >
> > > ------------------------------------
> >
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies
> > go
> > > to ALL 2752 members (as of 10/30/11). and attachments are NOT
> permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be
> > > cause for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > List owner: ham-antennas-owner@yahoogroups.com
> > > Yahoo! Groups Links
> > >
> > >
> > >
> >
> >
> >
> >
> --
> 73, Benjamin A Straw - KC9UNS
> 5344 Wilson St. Merrillville, IN 46410
> Phone: (219) 712-8103
>
>
> [Non-text portions of this message have been removed]
>

>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21188. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 20:55:43 UTC
From: richard
Topic: 21176 Message: 21188

On Sun, 11 Dec 2011 12:23:55 -0800
Ernie Rice <ranger2995@...> wrote:

> I had the same thing! I lived close to a hospital and from 9-3 static! Come
> to find out it was a unshielded portable power supply for some of their med
> equipment!
>
> Ernie
>
> On Sun, Dec 11, 2011 at 12:16 PM, Ken <wa8jxm@...> wrote:
>
> > **
> > >
> > >
> > >
> > > On Dec 11, 2011, at 2:42 PM, Skip Taylor wrote:
> > >
> > > > If it is always at certain hours, that may indicate a business. Are there
> > > > any medical offices near you (including chiropractic)? Some of their
> > > > equipment may emit RFI.
> > >
> > > A fellow I worked with told about the large computer they always had
> > > crashing at 1 pm every Friday. One time at lunch they were talking with
> > > some military guys from the base across the road. They happened to mention
> > > that they tested a certain radar unit once a week....yep, Fridays at 1pm.
> > >
> > > Ken WA8JXM
> > >
> > >
>
>
>

You really need to listen to the noise on either an AM or SSB Rx. The limiting
in the FM IF will distort the noise, making it hard to identify.

HTH
Richard G8JVM

21189. RE: : [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 20:58:49 UTC
From: Richard Schmuke
Topic: 21133 Message: 21189

That sounds horrible. I always keep a death grip on my saw but I guess I should get the pants. I just had to get a carburetor kit and fuel lines for my Stihl 028 super, it is a great saw but the gas over here destroys the diaphragms with the alcohol they add. I am waiting for my hand to heal a little more before I fire it up.

Rich, Kd0zz

> Siegfried,
>
> Thanks for sharing, I only casually use a chain saw, and I think the
> pants and proper boots are now something that I will have to get before
> I use the saw again in the future.
>
> I have had a close call once due to stupidity but nothing happened but
> your warning will be paid attention too.
>
> ~73
> Don
> KD8NNU
>
> On Sun, Dec 11, 2011 at 6:33 AM, siegfried.jackstien wrote:
>
> If you work at a saw NEVER EVER do a "quickly last cut" .... it will
> most of
> the time really be your last one if the saw catches your finger(s)
> OR SOMETHING ELSE!!! (see below)
> No need for a picture .... I cut myself in the left leg just below the
> knee
> with a CHAIN SAW !!! that was at work ... same thing ... oh lets make a
> fast
> cut here and there just at the end of the day ... maybe brain was
> already on
> the way home ... who knows ... guess what ... it was no fun to see the
> red
> fluid running in my shoes ... and seeing the bone really shocked me!!
> But I had luck in that accident ... only skin cut ... nothing important
> damaged at the leg ... now I have a "zip" below my knee that remembers
> me to
> use the safety pants on EVERY cut with the chain saw
> Now the safety pants is in a box on-top of the saw ... so whenever I
> will
> use the saw I have to take the pants in the hands anyway to get to the
> saw
> and then putting your legs in it is no problem :-)

> Greets (and be careful whatever you do!!)
> Dg9bfc
> Sigi
>

> > Betreff: RE: AW: [ham-antennas] Give US stations a laugh
> >
> >
> > Well it is not exactly radio but you can laugh at me if you want to. I
> > had a little problem with my hand. I have worked with machines all my
> > life. I was doing a job on the front door and needed a couple of wood
> > shims. I went to the shop, grabbed a section of 2x6 and cut the shims.
> > I looked at the first one and saw that the edge was rounded like the
> > edge of a 2x6 would be and I wanted all square edges so I quickly
> > picked up the wood to cut one more, ran it thru the saw and cut the
> > end of my finger off.
> > Now comes the problem, I ran to the house, yelled for the wife to get
> > the car keys and take me to a hospital. Well she did but that mean
> > woman took me to a mental hospital. The closet place that was a
> > regular hospital still had a emergency room but is now the mental
> > facility for a group of hospitals. I can post a picture if needed for
> > you pleasure.
> > Rich, AKA "Stubby" or Kd0zz

> > <mailto:ham-antennas%40yahoogroups.com> Subject: AW: [ham-antennas]
> > Give US stations a laugh
> > Besides divorce, cutting in the hand while erecting antennas (cutting
> > rope or wire), falling from a tower, getting a hit from tube amp ....
> > ham radio is such a dangerous hobby (big grin)
> > From a place were you not have to worry (northern dl) No snakes, no
> > spiders, and as most important thing : NO THUNDERSTORMS / HURRICANES /
> > TSUNAMI ... etc .... Flat area from here to cost (abt 150km), no
> > neighbours close (next is a half mile away) so no man made noise ...
> > ham radio heaven location (ok not as good as radio arcala *g*)
> > Greetz Sigi Dg9bfc
> >> -----Ursprüngliche Nachricht----- Von:
> >> mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > antennas%40yahoogroups.com] Im
> >> Auftrag von Dan Schaaf Gesendet: Sonntag, 11. Dezember 2011 01:11 An:
> >> mailto:ham-antennas%40yahoogroups.com Betreff: Re: [ham-antennas]
> >> Give US stations a laugh
> >>
> >>

[Non-text portions of this message have been removed]

21190. Ground wire solder lugs

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 22:21:33 UTC
From: fardds
Topic: 21190 Message: 21190

I've bought some soft-drawn, annealed, solid copper #6 wire to use to connect my ground rods to a 30" Rohn tower as well as to bring into the shack for an earth ground. Will also use it to place an earth ground on a Cushcraft R6000.

Anyone know where I can find solder lugs to fit this size wire? I see pinch connectors, but prefer to get a solid, durable connection.

Thanks in advance

Fred (KX3R)

21191. Re: [ham-antennas] Ground wire solder lugs

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 22:33:11 UTC
From: dean
Topic: 21190 Message: 21191

I used pinch connectors then soldered them. Good n tight.

73, WY6L

From: fardds
Sent: Sunday, December 11, 2011 2:21 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Ground wire solder lugs

I've bought some soft-drawn, annealed, solid copper #6 wire to use to connect my ground rods to a 30" Rohn tower as well as to bring into the shack for an earth ground. Will also use it to place an earth ground on a Cushcraft R6000.

Anyone know where I can find solder lugs to fit this size wire? I see pinch connectors, but prefer to get a solid, durable connection.

Thanks in advance

Fred (KX3R)

[Non-text portions of this message have been removed]

21192. Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 22:38:11 UTC
From: Jim Whitaker
Topic: 21192 Message: 21192

Hey thanks guys for the balun help. I wound it with as many turns as would fit on a T200-2B core (about 24, 12 on each side). Oh yeah and who ever said that Teflon wire is hard to deal with, you were right. It was like wrapping a worm around a snake! I haven't been able to test it yet still waiting for R&L to ship my analyzer.

Tnx DE Jim N8XYN K

21193. Re: [ham-antennas] Ground wire solder lugs

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 22:38:37 UTC
From: Ken
Topic: 21190 Message: 21193

On Dec 11, 2011, at 5:21 PM, fardds wrote:

> I've bought some soft-drawn, annealed, solid copper #6 wire to use to connect my ground rods to a 30" Rohn tower as well as to bring into the shack for an earth ground. Will also use it to place an earth ground on a Cushcraft R6000.
>
> Anyone know where I can find solder lugs to fit this size wire? I see pinch connectors, but prefer to get a solid, durable connection.

Fred,

I believe that a mechanical connection is preferred vs solder, which will fail with a lightning strike.

Any electrical supply shop (or Lowes, HD, etc.) should have screw down brass or bronze lugs for use in electrical boxes.

The other thing that I have done is to beat down a piece of copper tubing onto the wire, and then flatten the rest of it and drill a hole in it.

Ken WA8JXM

21194. Re: [ham-antennas] Ground wire solder lugs

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 23:42:31 UTC
From: doug pfaff
Topic: 21190 Message: 21194

Try a Burndy or Thomas and Betts catalogue for #6 lugs

Talk to your local electrician he probably has the die set for installation.

Burndy also makes a pipe clamp with a flat surface to accept a standard lug we used these in a Telco installation to ground water pipes to the central office ground bus.

Doug ve5dcp

Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: fardds
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 11, 2011 4:21 PM
Subject: [ham-antennas] Ground wire solder lugs

I've bought some soft-drawn, annealed, solid copper #6 wire to use to connect my ground rods to a 30" Rohn tower as well as to bring into the shack for an earth ground. Will also use it to place an earth ground on a Cushcraft R6000.

Anyone know where I can find solder lugs to fit this size wire? I see pinch connectors, but prefer to get a solid, durable connection.

Thanks in advance

Fred (KX3R)

[Non-text portions of this message have been removed]

21195. Re: [ham-antennas] Ground wire solder lugs

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-11 23:46:58 UTC
From: doug pfaff
Topic: 21190 Message: 21195

these lugs should be compression type using a die set they survive lightning strikes better than mechanical bolt type that corrode and may loosen with time

Doug ve5dcp
Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: doug pfaff
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 11, 2011 5:42 PM
Subject: Re: [ham-antennas] Ground wire solder lugs

Try a Burndy or Thomas and Betts catalogue for #6 lugs

Talk to your local electrician he probably has the die set for installation.

Burndy also makes a pipe clamp with a flat surface to accept a standard lug we used these in a Telco installation to ground water pipes to the central office ground bus.

Doug ve5dcp

Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: fardds
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 11, 2011 4:21 PM
Subject: [ham-antennas] Ground wire solder lugs

I've bought some soft-drawn, annealed, solid copper #6 wire to use to connect my ground rods to a 30" Rohn tower as well as to bring into the shack for an earth ground. Will also use it to place an earth ground on a Cushcraft R6000.

Anyone know where I can find solder lugs to fit this size wire? I see pinch connectors, but prefer to get a solid, durable connection.

Thanks in advance

Fred (KX3R)

[Non-text portions of this message have been removed]

21196. RE: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 00:12:09 UTC
From: Richard Schmuke
Topic: 21192 Message: 21196

Jim, I am the guy who told you how nice it is to use Teflon coated wire. I held the wire spacing with little alligator clamps and the wire on the toroid with little battery clamps while to epoxy dries. Here is a show and tell picture of that and other baluns I have tried. It has to be done in steps or the snake will get away.

http://i1102.photobucket.com/albums/g453/KD0ZZ/BalunParts.jpg

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Whitaker
Sent: Sunday, December 11, 2011 4:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Thanks for the Balun help :-)

Hey thanks guys for the balun help. I wound it with as many turns as would fit on a T200-2B core (about 24, 12 on each side). Oh yeah and who ever said that Teflon wire is hard to deal with, you were right. It was like wrapping a worm around a snake! I haven't been able to test it yet still waiting for R&L to ship my analyzer.

Tnx DE Jim N8XYN K

[Non-text portions of this message have been removed]

21197. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 00:14:27 UTC
From: Wayne Leake
Topic: 21176 Message: 21197

this reminds me of noise problems I found in the past.

One was way back, and I tracked it down using a DF loop with an HT,
turned out to be an older color TV that had a problem with the
Horizontal output circuit. generated noise like you wouldn't believe.
later on, I found that on 2 meters I got interference that centered
on 145.250 Mhz, turned out to be leakage from cable splitters where
things were not terminated properly.
I also used to get noise when I went into certain businesses. Was
generated by cheaply built computers.
And another I got intermittently on HF. I tracked it by walking
around the area with a handheld radio that has HF RX. It turned out to
be the rat Shack switching power supply I had. did not bother 2 meter
FM. I sold it on Ebay with the caveat that it had the noise problem.

The fact that it is only in a certain time frame does seem that it is
most likely a poorly built computer, or something else that is only
used at certain hours.

Tracking it down, a handy item would be a tape measure yagi. I built
one for 2 meters, that was simple and effective from an online
article.
uses PVC, tape from a super cheap tape measure, a section of copper
wire for a hairpin matching device, and a length of RG58 coax.
It can also be used for field days and camping out.
One thing I did was to solder the coax and hairpin connections to the
tape. Scrape the paint off and use a good soldering gun.
I like my old Wellers. Bought a rat shack unit, does not do as well.
Are/were other brands out there. Wen comes to mind.
the yagi is 3 element, director, reflector and driven element. And
can, if built correctly, be used to transmit with an HT or anything
under 40-50 watts. when not in use, the elements can be rolled up so
it takes little space.
Also great for fox hunting...

Wayne WA2YNE

21198. Re: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 00:35:55 UTC
From: Larry Tooley
Topic: 21192 Message: 21198

How much and where did you get the red toroids, Rich?? Looks just like my 30 year old Amidon Balun. I need some more.
Larry WA9G
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 11, 2011 6:12 PM
Subject: RE: [ham-antennas] Thanks for the Balun help :-)

Jim, I am the guy who told you how nice it is to use Teflon coated wire. I held the wire spacing with little alligator clamps and the wire on the toroid with little battery clamps while to epoxy dries. Here is a show and tell picture of that and other baluns I have tried. It has to be done in steps or the snake will get away.

http://i1102.photobucket.com/albums/g453/KD0ZZ/BalunParts.jpg

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Jim Whitaker
Sent: Sunday, December 11, 2011 4:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Thanks for the Balun help :-)

Hey thanks guys for the balun help. I wound it with as many turns as would fit on a T200-2B core (about 24, 12 on each side). Oh yeah and who ever said
that Teflon wire is hard to deal with, you were right. It was like wrapping
a worm around a snake! I haven't been able to test it yet still waiting for
R&L to ship my analyzer.

Tnx DE Jim N8XYN K

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21199. Re: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 01:26:37 UTC
From: Jim Whitaker
Topic: 21192 Message: 21199

(Jim, I am the guy who told you how nice it is to use Teflon coated wire. I held the wire spacing with little alligator clamps and the wire on the toroid with little battery clamps while to epoxy dries. Here is a show and tell picture of that and other baluns I have tried. It has to be done in steps or the snake will get away.)

Rich, I can see why you'd want to use solid magnet wire. I just held it in place under tension provided by teeth! The hard part, the spot where 3 hands would have helped was tying down the ends with nylon ties. I went through about 5 of them on one set of wire ends. Funny thing is I've already learned something. My current antenna (purchased) is a 40 meter ocfd. It tests as an open circuit with an ohm meter. It's SUPPOSED to have a 4:1 at the feed point. The balun I wound tested as a short circuit like I expected...hum...make you wonder what's in that box up there in the air.

de n8xyn k

[Non-text portions of this message have been removed]

21200. RE: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 01:33:51 UTC
From: Richard Schmuke
Topic: 21192 Message: 21200

Larry, I don't remember the price because I have bought several of different sizes thru the years. 130's 157 and 200. The reason they look like your Amidon is because that is the brand I buy. I get them at my local electronics emporium, http://www.gatewaycatalog.com/. In St. Louis county.

The prices are about the same as you see on the net from other places but I don't pay shipping when I stop at the store and pick up some PL-259's and SO-239's, carbon 47 and 200 ohm resistors for testing the baluns and stuff.

If you want to buy them on line try the toroid king at
http://partsandkits.com/toroids.php

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Larry Tooley
Sent: Sunday, December 11, 2011 6:36 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Thanks for the Balun help :-)

How much and where did you get the red toroids, Rich?? Looks just like my 30 year old Amidon Balun. I need some more.
Larry WA9G
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, December 11, 2011 6:12 PM
Subject: RE: [ham-antennas] Thanks for the Balun help :-)

Jim, I am the guy who told you how nice it is to use Teflon coated wire. I held the wire spacing with little alligator clamps and the wire on the toroid with little battery clamps while to epoxy dries. Here is a show and tell picture of that and other baluns I have tried. It has to be done in steps or the snake will get away.

http://i1102.photobucket.com/albums/g453/KD0ZZ/BalunParts.jpg

Rich , Kd0zz

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
]
On
Behalf Of Jim Whitaker
Sent: Sunday, December 11, 2011 4:38 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Thanks for the Balun help :-)

Hey thanks guys for the balun help. I wound it with as many turns as would fit on a T200-2B core (about 24, 12 on each side). Oh yeah and who ever said
that Teflon wire is hard to deal with, you were right. It was like wrapping
a worm around a snake! I haven't been able to test it yet still waiting for
R&L to ship my analyzer.

Tnx DE Jim N8XYN K

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21201. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 01:39:49 UTC
From: Jon Schultz
Topic: 21176 Message: 21201

Hi Ben and Everyone else,
Have you tried unplugging the antenna from your radio to see if you still get noise? If RFI is still present your source could be close.

You have a good list of possible RFI sources thanks to everyone. From my own experience, I can add a fax machine in my home office. An avid DXer friend had problems with a cracked high tension insulator and utility line transformer but the worst for him was some grow lights at a neighbor's several doors down.

A stroll or drive around your neighborhood with your HT when RFI is present my give you some insight.

Good Luck and Merry Christmas,

Jon, N8YSS

From: Wayne Leake <wa2yne@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 11, 2011 7:14 PM
Subject: Re: [ham-antennas] Static/noise on 2m & 70cm

this reminds me of noise problems I found in the past.

One was way back, and I tracked it down using a DF loop with an HT,
turned out to be an older color TV that had a problem with the
Horizontal output circuit. generated noise like you wouldn't believe.
later on, I found that on 2 meters I got interference that centered
on 145.250 Mhz, turned out to be leakage from cable splitters where
things were not terminated properly.
I also used to get noise when I went into certain businesses. Was
generated by cheaply built computers.
And another I got intermittently on HF. I tracked it by walking
around the area with a handheld radio that has HF RX. It turned out to
be the rat Shack switching power supply I had. did not bother 2 meter
FM. I sold it on Ebay with the caveat that it had the noise problem.

The fact that it is only in a certain time frame does seem that it is
most likely a poorly built computer, or something else that is only
used at certain hours.

Tracking it down, a handy item would be a tape measure yagi. I built
one for 2 meters, that was simple and effective from an online
article.
uses PVC, tape from a super cheap tape measure, a section of copper
wire for a hairpin matching device, and a length of RG58 coax.
It can also be used for field days and camping out.

One thing I did was to solder the coax and hairpin connections to the tape. Scrape the paint off and use a good soldering gun.
I like my old Wellers. Bought a rat shack unit, does not do as well. Are/were other brands out there. Wen comes to mind.
the yagi is 3 element, director, reflector and driven element. And can, if built correctly, be used to transmit with an HT or anything under 40-50 watts. when not in use, the elements can be rolled up so it takes little space.
Also great for fox hunting...

Wayne WA2YNE

[Non-text portions of this message have been removed]

21202. Re: [ham-antennas] Ground wire solder lugs

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 01:51:34 UTC
From: Don Sanders
Topic: 21190 Message: 21202

Solder the wire into copper tubing. Flatten the tubing and drill the bolt
pass thru hole.
Or crimp the flattenned tubing in the clamp fitting on the ground rod.
Dr Don HC4/W4BWS

On Sun, Dec 11, 2011 at 5:21 PM, fardds <fardds@...> wrote:

> **
>
>
> I've bought some soft-drawn, annealed, solid copper #6 wire to use to
> connect my ground rods to a 30" Rohn tower as well as to bring into the
> shack for an earth ground. Will also use it to place an earth ground on a
> Cushcraft R6000.
>
> Anyone know where I can find solder lugs to fit this size wire? I see
> pinch connectors, but prefer to get a solid, durable connection.
>
> Thanks in advance
>
> Fred (KX3R)
>
>
>

[Non-text portions of this message have been removed]

21203. RE: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 02:01:19 UTC
From: Richard Schmuke
Topic: 21192 Message: 21203

(Jim, I am the guy who told you how nice it is to use Teflon coated wire. I held the wire spacing with little alligator clamps and the wire on the toroid with little battery clamps while to epoxy dries. Here is a show and tell picture of that and other baluns I have tried. It has to be done in steps or the snake will get away.)

Rich, I can see why you'd want to use solid magnet wire. I just held it in place under tension provided by teeth! The hard part, the spot where 3 hands would have helped was tying down the ends with nylon ties. I went through about 5 of them on one set of wire ends. Funny thing is I've already learned something. My current antenna (purchased) is a 40 meter ocfd. It tests as an open circuit with an ohm meter. It's SUPPOSED to have a 4:1 at the feed point. The balun I wound tested as a short circuit like I expected...hum...make you wonder what's in that box up there in the air.

de n8xyn k

Jim, you got the old man thinking and I came up blank so I got my book out by Jerry Sevick, W2FMI, the master on baluns. I could not find any 4:1 in his book that would be open circuit. The only open one was a 1:1 wound with coax on a toroid ...hum...make you wonder what's in that box up there in the air.

Note: Teflon wire is better for hi-voltage and high power, so you should be good for a full gallon . I even put some Teflon wire inside a coil of copper tubing for a filament/grid fed amplifier but that's different reflector story.

Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21204. Re: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 02:07:54 UTC
From: Larry Tooley
Topic: 21192 Message: 21204

Okay. Thank you very much.
Larry WA9G
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 11, 2011 7:33 PM
Subject: RE: [ham-antennas] Thanks for the Balun help :-)

Larry, I don't remember the price because I have bought several of
different
sizes thru the years. 130's 157 and 200. The reason they look like your
Amidon is because that is the brand I buy. I get them at my local
electronics emporium, http://www.gatewaycatalog.com/. In St. Louis county.

The prices are about the same as you see on the net from other places but
I
don't pay shipping when I stop at the store and pick up some PL-259's and
SO-239's, carbon 47 and 200 ohm resistors for testing the baluns and
stuff.

If you want to buy them on line try the toroid king at
http://partsandkits.com/toroids.php

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On
Behalf Of Larry Tooley
Sent: Sunday, December 11, 2011 6:36 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Thanks for the Balun help :-)

How much and where did you get the red toroids, Rich?? Looks just like my
30 year old Amidon Balun. I need some more.
Larry WA9G
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, December 11, 2011 6:12 PM
Subject: RE: [ham-antennas] Thanks for the Balun help :-)

Jim, I am the guy who told you how nice it is to use Teflon coated wire. I
held the wire spacing with little alligator clamps and the wire on the
toroid with little battery clamps while to epoxy dries. Here is a show and
tell picture of that and other baluns I have tried. It has to be done in
steps or the snake will get away.

http://i1102.photobucket.com/albums/g453/KD0ZZ/BalunParts.jpg

Rich , Kd0zz

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
]
On
Behalf Of Jim Whitaker
Sent: Sunday, December 11, 2011 4:38 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Thanks for the Balun help :-)

Hey thanks guys for the balun help. I wound it with as many turns as would
fit on a T200-2B core (about 24, 12 on each side). Oh yeah and who ever
said
that Teflon wire is hard to deal with, you were right. It was like
wrapping
a worm around a snake! I haven't been able to test it yet still waiting
for
R&L to ship my analyzer.

Tnx DE Jim N8XYN K

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21205. RE: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 03:06:25 UTC
From: Richard Schmuke
Topic: 21192 Message: 21205

For whoever needs to know when I worked with rod type baluns I did wrap the rods with Teflon tape for insulation when I used magnet single coat wire because they don't have the clear coat epoxy on then like the Amidon's toroids do. To hold spacing on the magnet wire I used monofilament fishing line, spring clamps, then epoxy on the wire. For a 4:1 current balun I had better final readings with a duel rod type. You can get Russian military surplus 10mm x 200mm rods from E-Bay. Rods are cheap but shipping is high from the Ukraine, I was happy with what I got.

I also used zip cord speaker wire, another hint from Jerry Sevicks's book. Easy to work with , easy to get compared to some magnet wire (even Wal-Mart has it) and does not have the evil spring of Teflon coated wire and is color coded for ID. Here is a switchable 1:1 or 4:1 balun made with it.
http://i1102.photobucket.com/albums/g453/KD0ZZ/4to11to11.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Larry Tooley
Sent: Sunday, December 11, 2011 6:36 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Thanks for the Balun help :-)

How much and where did you get the red toroids, Rich?? Looks just like my 30 year old Amidon Balun. I need some more.
Larry WA9G
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, December 11, 2011 6:12 PM
Subject: RE: [ham-antennas] Thanks for the Balun help :-)

Jim, I am the guy who told you how nice it is to use Teflon coated wire. I held the wire spacing with little alligator clamps and the wire on the toroid with little battery clamps while to epoxy dries. Here is a show and tell picture of that and other baluns I have tried. It has to be done in steps or the snake will get away.

http://i1102.photobucket.com/albums/g453/KD0ZZ/BalunParts.jpg

Rich , Kd0zz

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>]
On
Behalf Of Jim Whitaker

Sent: Sunday, December 11, 2011 4:38 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Thanks for the Balun help :-)

Hey thanks guys for the balun help. I wound it with as many turns as would fit on a T200-2B core (about 24, 12 on each side). Oh yeah and who ever said
that Teflon wire is hard to deal with, you were right. It was like wrapping
a worm around a snake! I haven't been able to test it yet still waiting for
R&L to ship my analyzer.

Tnx DE Jim N8XYN K

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21206. AW: : [ham-antennas] Give US stations a laugh

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 09:16:40 UTC
From: siegfried.jackstien
Topic: 21133 Message: 21206

Yepp ... let your hand heal ... AND GET THOSE PANTS!!!
from a man with a zip below the knee :-)
dg9bfc
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard Schmuke
> Gesendet: Sonntag, 11. Dezember 2011 20:59
> An: ham-antennas@yahoogroups.com
> Betreff: RE: : [ham-antennas] Give US stations a laugh
>
>
>
>
> That sounds horrible. I always keep a death grip on my saw but I guess I
> should get the pants. I just had to get a carburetor kit and fuel lines
> for
> my Stihl 028 super, it is a great saw but the gas over here destroys the
> diaphragms with the alcohol they add. I am waiting for my hand to heal a
> little more before I fire it up.
>
> Rich, Kd0zz
>
> > Siegfried,
> >
> > Thanks for sharing, I only casually use a chain saw, and I think the
> > pants and proper boots are now something that I will have to get before
> > I use the saw again in the future.
> >
> > I have had a close call once due to stupidity but nothing happened but
> > your warning will be paid attention too.
> >
> > ~73
> > Don
> > KD8NNU
> >
> > On Sun, Dec 11, 2011 at 6:33 AM, siegfried.jackstien wrote:
> >
> > If you work at a saw NEVER EVER do a "quickly last cut" .... it will
> > most of
> > the time really be your last one if the saw catches your finger(s)
> > OR SOMETHING ELSE!!! (see below)
> > No need for a picture .... I cut myself in the left leg just below the
> > knee

> > with a CHAIN SAW !!! that was at work ... same thing ... oh lets make a
> > fast
> > cut here and there just at the end of the day ... maybe brain was
> > already on
> > the way home ... who knows ... guess what ... it was no fun to see the
> > red
> > fluid running in my shoes ... and seeing the bone really shocked me!!
> > But I had luck in that accident ... only skin cut ... nothing important
> > damaged at the leg ... now I have a "zip" below my knee that remembers
> > me to
> > use the safety pants on EVERY cut with the chain saw
> > Now the safety pants is in a box on-top of the saw ... so whenever I
> > will
> > use the saw I have to take the pants in the hands anyway to get to the
> > saw
> > and then putting your legs in it is no problem :-)
> > Greets (and be careful whatever you do!!)
> > Dg9bfc
> > Sigi
> >
>
> > > Betreff: RE: AW: [ham-antennas] Give US stations a laugh
> > >
> > >
> > > Well it is not exactly radio but you can laugh at me if you want to. I
> > > had a little problem with my hand. I have worked with machines all my
> > > life. I was doing a job on the front door and needed a couple of wood
> > > shims. I went to the shop, grabbed a section of 2x6 and cut the shims.
> > > I looked at the first one and saw that the edge was rounded like the
> > > edge of a 2x6 would be and I wanted all square edges so I quickly
> > > picked up the wood to cut one more, ran it thru the saw and cut the
> > > end of my finger off.
> > > Now comes the problem, I ran to the house, yelled for the wife to get
> > > the car keys and take me to a hospital. Well she did but that mean
> > > woman took me to a mental hospital. The closet place that was a
> > > regular hospital still had a emergency room but is now the mental
> > > facility for a group of hospitals. I can post a picture if needed for
> > > you pleasure.
> > > Rich, AKA "Stubby" or Kd0zz
>
> > > <mailto:ham-antennas%40yahoogroups.com> Subject: AW: [ham-antennas]
> > > Give US stations a laugh
> > > Besides divorce, cutting in the hand while erecting antennas (cutting
> > > rope or wire), falling from a tower, getting a hit from tube amp ....
> > > ham radio is such a dangerous hobby (big grin)
> > > From a place were you not have to worry (northern dl) No snakes, no
> > > spiders, and as most important thing : NO THUNDERSTORMS / HURRICANES /
> > > TSUNAMI ... etc .... Flat area from here to cost (abt 150km), no
> > > neighbours close (next is a half mile away) so no man made noise ...
> > > ham radio heaven location (ok not as good as radio arcala *g*)

> > > Greetz Sigi Dg9bfc
> > >> -----Ursprüngliche Nachricht----- Von:
> > >> mailto:ham-antennas%40yahoogroups.com [mailto:mailto:ham-
> > > antennas%40yahoogroups.com] Im
> > >> Auftrag von Dan Schaaf Gesendet: Sonntag, 11. Dezember 2011 01:11 An:
> > >> mailto:ham-antennas%40yahoogroups.com Betreff: Re: [ham-antennas]
> > >> Give US stations a laugh
> > >>
> > >>
>
> [Non-text portions of this message have been removed]
>
>
>
>

21207. Re: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 12:24:30 UTC
From: Frank Kirschner
Topic: 21192 Message: 21207

I've heard that some vendors just put a few snap-on toroids on the coax inside a box and call it a balun. Of course, it isn't.

73,
Frank
KF6E

On Sun, Dec 11, 2011 at 8:26 PM, Jim Whitaker <jimawhitaker@...>wrote:

> **
>
> ...My current antenna (purchased) is a 40 meter ocfd. It tests as an
> open circuit with an ohm meter. It?s SUPPOSED to have a 4:1 at the feed
> point. The balun I wound tested as a short circuit like I
> expected...hum...make you wonder what's in that box up there in the air.
>
> de n8xyn k
>

[Non-text portions of this message have been removed]

21208. Re: [ham-antennas] Static/noise on 2m & 70cm

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 12:30:16 UTC
From: Frank Kirschner
Topic: 21176 Message: 21208

Anybody near you have a PV solar system? I've heard that the inverters can
be very noisy, and it would correlate with the period of strongest sunshine.

GL

73,
Frank
KF6E

On Sun, Dec 11, 2011 at 2:02 PM, Benjamin Straw <kc9uns@...> wrote:

> I see how I can find out where it is... But how about whats odd about the
> noise its starts at around 10-11am and lasts till 3pm. That is whats odd
> about it.
>

[Non-text portions of this message have been removed]

21209. RE: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 12:33:35 UTC
From: jo barden
Topic: 21192 Message: 21209

If you test with a DC ohm meter it will show as a short but the inductance at RF will make it totally different. My advice would be to install it and try it out on the air.

Jon
G6UWK

> To: ham-antennas@yahoogroups.com
> From: frank@...
> Date: Mon, 12 Dec 2011 07:24:30 -0500
> Subject: Re: [ham-antennas] Thanks for the Balun help :-)
>
> I've heard that some vendors just put a few snap-on toroids on the coax
> inside a box and call it a balun. Of course, it isn't.
>
> 73,
> Frank
> KF6E
>
> On Sun, Dec 11, 2011 at 8:26 PM, Jim Whitaker <jimawhitaker@...>wrote:
>
> > **
> > >
> > > ...My current antenna (purchased) is a 40 meter ocfd. It tests as an
> > > open circuit with an ohm meter. It?s SUPPOSED to have a 4:1 at the feed
> > > point. The balun I wound tested as a short circuit like I
> > > expected...hum...make you wonder what's in that box up there in the air.
> > >
> > > de n8xyn k
> > >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21210. Re: [ham-antennas] Thanks for the Balun help :-)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 12:47:30 UTC
From: Jim Whitaker
Topic: 21192 Message: 21210

(I've heard that some vendors just put a few snap-on toroids on the coax
inside a box and call it a balun. Of course, it isn't.)

Some how I don’t find that hard to believe, snake oil salesmen and all. I’ve disassembled a lot of things in my life and noticed a general trend toward poor construction over the past decade.

de n8xyn k

[Non-text portions of this message have been removed]

21211. 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 20:15:04 UTC
From: Artekmedia
Topic: 21211 Message: 21211

Earlier I posted on the group asking for experience with very long (a 100' is nothing) open wire feed lines sighting a faintly remember article in 73 (which I never did find) that used 4 wires instead of 2 and how you match that to 50 ohms on each end

To date these are the requirements and what I have gleaned so far and a plan is slowly forming

1) This will be the main feed line for all antennas from 160M -10M
2) The antenna farm is about 500' away from the shack
3) The ability to match to 50 ohm line on both ends is a necessity. Tower and beam on on end, typical transceiver on the other
4) Antenna tuners are not an option for many reasons so the system must be broad band and very low loss

Here are some of the things I have discovered so far
1) a 500' open wire 600 ohm line would be reasonable to assemble and not terribly expensive, losses of less than .25 db at 30 MHz are not unrealistic to expect.
2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms at both ends. Truly flat low loss 16:1 baluns that cover the entire frequency range are hard to build with most designs covering 1.8 to 14 MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one possible solution but at a higher insertion loss, and broad band performance appears to be tricky
3) I now suspect the earlier article which used 4 wires which were chosen to lower the feed line impedance to 200 ohms for an easier broad band match using 4:1 baluns which are easier to construct and are better behaved over the frequency range than the 16:1 baluns

Next thought exercise

1) construct a 4 wire 200hm line. This requires spacing on the order of 1.75" using #12. probably needs lots of spacers to be well behaved.

2) Another possibility is to use two 450 ohm ladder lines spaced comfortably apart and connected in parallel (effectively giving 225 ohms . I am told that the #14 version of the 450ohm line is actually closer to 400ohms ...can anyone verify this ?

Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?

More thoughts? Suggestions?

Dave
NR1DX

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

21212. Re: [ham-antennas] 500' feed lines , Part 2 (minor correction)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 20:19:39 UTC
From: Artekmedia
Topic: 21211 Message: 21212

Correction that should be a 12:1 balun sited below (16:1 is for 800 OHM LINE) ..in either case still a challenge

Dave
NR1DX

On 12/12/2011 2:15 PM, Artekmedia wrote:
>
> Earlier I posted on the group asking for experience with very long (a
> 100' is nothing) open wire feed lines sighting a faintly remember
> article in 73 (which I never did find) that used 4 wires instead of 2
> and how you match that to 50 ohms on each end
>
> To date these are the requirements and what I have gleaned so far and a
> plan is slowly forming
>
> 1) This will be the main feed line for all antennas from 160M -10M
> 2) The antenna farm is about 500' away from the shack
> 3) The ability to match to 50 ohm line on both ends is a necessity.
> Tower and beam on on end, typical transceiver on the other
> 4) Antenna tuners are not an option for many reasons so the system must
> be broad band and very low loss
>
> Here are some of the things I have discovered so far
> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
> not terribly expensive, losses of less than .25 db at 30 MHz are not
> unrealistic to expect.
> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
> at both ends. Truly flat low loss 16:1 baluns that cover the entire
> frequency range are hard to build with most designs covering 1.8 to 14
> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs
> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> possible solution but at a higher insertion loss, and broad band
> performance appears to be tricky
> 3) I now suspect the earlier article which used 4 wires which were
> chosen to lower the feed line impedance to 200 ohms for an easier broad
> band match using 4:1 baluns which are easier to construct and are
> better behaved over the frequency range than the 16:1 baluns
>
> Next thought exercise
>
> 1) construct a 4 wire 200hm line. This requires spacing on the order of
> 1.75" using #12. probably needs lots of spacers to be well behaved.
>
> 2) Another possibility is to use two 450 ohm ladder lines spaced

> comfortably apart and connected in parallel (effectively giving 225
> ohms . I am told that the #14 version of the 450ohm line is actually
> closer to 400ohms ...can anyone verify this ?
>
> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>
> More thoughts? Suggestions?
>
> Dave
> NR1DX
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21214. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 21:08:28 UTC
From: Ken
Topic: 21211 Message: 21214

FWIW, DX Engineering sells a setup exactly like that, two baluns and as much ladder line as you would like. You might check into their design for more information.

Ken WA8JXM

On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:

> Earlier I posted on the group asking for experience with very long (a
> 100' is nothing) open wire feed lines sighting a faintly remember
> article in 73 (which I never did find) that used 4 wires instead of 2
> and how you match that to 50 ohms on each end
>
> To date these are the requirements and what I have gleaned so far and a
> plan is slowly forming
>
> 1) This will be the main feed line for all antennas from 160M -10M
> 2) The antenna farm is about 500' away from the shack
> 3) The ability to match to 50 ohm line on both ends is a necessity.
> Tower and beam on on end, typical transceiver on the other
> 4) Antenna tuners are not an option for many reasons so the system must
> be broad band and very low loss
>
> Here are some of the things I have discovered so far
> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
> not terribly expensive, losses of less than .25 db at 30 MHz are not
> unrealistic to expect.
> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
> at both ends. Truly flat low loss 16:1 baluns that cover the entire
> frequency range are hard to build with most designs covering 1.8 to 14
> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs
> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> possible solution but at a higher insertion loss, and broad band
> performance appears to be tricky
> 3) I now suspect the earlier article which used 4 wires which were
> chosen to lower the feed line impedance to 200 ohms for an easier broad
> band match using 4:1 baluns which are easier to construct and are
> better behaved over the frequency range than the 16:1 baluns
>
> Next thought exercise
>
> 1) construct a 4 wire 200hm line. This requires spacing on the order of
> 1.75" using #12. probably needs lots of spacers to be well behaved.
>
> 2) Another possibility is to use two 450 ohm ladder lines spaced
> comfortably apart and connected in parallel (effectively giving 225
> ohms . I am told that the #14 version of the 450ohm line is actually

> closer to 400ohms ...can anyone verify this ?
>
>
> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>
> More thoughts? Suggestions?
>
>
> Dave
> NR1DX
>
>

21215. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 21:28:23 UTC
From: MIKE DURKIN
Topic: 21211 Message: 21215

Running QRO?

To: ham-antennas@yahoogroups.com
From: wa8jxm@...
Date: Mon, 12 Dec 2011 16:08:28 -0500
Subject: Re: [ham-antennas] 500' feed lines , Part 2

FWIW, DX Engineering sells a setup exactly like that, two baluns and as much ladder line as you would like. You might check into their design for more information.

Ken WA8JXM

On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:

> Earlier I posted on the group asking for experience with very long (a

> 100' is nothing) open wire feed lines sighting a faintly remember

> article in 73 (which I never did find) that used 4 wires instead of 2

> and how you match that to 50 ohms on each end

>

> To date these are the requirements and what I have gleaned so far and a

> plan is slowly forming

>

> 1) This will be the main feed line for all antennas from 160M -10M

> 2) The antenna farm is about 500' away from the shack

> 3) The ability to match to 50 ohm line on both ends is a necessity.

> Tower and beam on on end, typical transceiver on the other

> 4) Antenna tuners are not an option for many reasons so the system must

> be broad band and very low loss

>

> Here are some of the things I have discovered so far

> 1) a 500' open wire 600 ohm line would be reasonable to assemble and

> not terribly expensive, losses of less than .25 db at 30 MHz are not

> unrealistic to expect.

> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms

> at both ends. Truly flat low loss 16:1 baluns that cover the entire

> frequency range are hard to build with most designs covering 1.8 to 14

> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs

> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one

> possible solution but at a higher insertion loss, and broad band

> performance appears to be tricky

> 3) I now suspect the earlier article which used 4 wires which were

> chosen to lower the feed line impedance to 200 ohms for an easier broad

> band match using 4:1 baluns which are easier to construct and are

> better behaved over the frequency range than the 16:1 baluns

>

> Next thought exercise

>

> 1) construct a 4 wire 200hm line. This requires spacing on the order of

> 1.75" using #12. probably needs lots of spacers to be well behaved.

>

> 2) Another possibility is to use two 450 ohm ladder lines spaced

> comfortably apart and connected in parallel (effectively giving 225

> ohms . I am told that the #14 version of the 450ohm line is actually

> closer to 400ohms ...can anyone verify this ?

>

>

> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?

>

> More thoughts? Suggestions?

>

>

> Dave

> NR1DX

>

>

[Non-text portions of this message have been removed]

21216. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 22:42:53 UTC
From: Artekmedia
Topic: 21211 Message: 21216

yep...TL922A

On 12/12/2011 3:28 PM, MIKE DURKIN wrote:
> Running QRO?
>
> To: ham-antennas@yahoogroups.com
> From: wa8jxm@...
> Date: Mon, 12 Dec 2011 16:08:28 -0500
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> FWIW, DX Engineering sells a setup exactly like that, two baluns and as much ladder line as you would like. You might check into their design for more information.
>
>
>
> Ken WA8JXM
>
>
>
> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
>
>

>
>> Earlier I posted on the group asking for experience with very long (a
>> 100' is nothing) open wire feed lines sighting a faintly remember
>> article in 73 (which I never did find) that used 4 wires instead of 2
>> and how you match that to 50 ohms on each end
>> To date these are the requirements and what I have gleaned so far and a
>> plan is slowly forming
>> 1) This will be the main feed line for all antennas from 160M -10M
>> 2) The antenna farm is about 500' away from the shack
>> 3) The ability to match to 50 ohm line on both ends is a necessity.
>> Tower and beam on on end, typical transceiver on the other
>> 4) Antenna tuners are not an option for many reasons so the system must
>> be broad band and very low loss
>> Here are some of the things I have discovered so far
>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
>> not terribly expensive, losses of less than .25 db at 30 MHz are not
>> unrealistic to expect.
>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
>> frequency range are hard to build with most designs covering 1.8 to 14
>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs
>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
>> possible solution but at a higher insertion loss, and broad band
>> performance appears to be tricky
>> 3) I now suspect the earlier article which used 4 wires which were
>> chosen to lower the feed line impedance to 200 ohms for an easier broad
>> band match using 4:1 baluns which are easier to construct and are
>> better behaved over the frequency range than the 16:1 baluns
>> Next thought exercise
>> 1) construct a 4 wire 200hm line. This requires spacing on the order of
>> 1.75" using #12. probably needs lots of spacers to be well behaved.
>> 2) Another possibility is to use two 450 ohm ladder lines spaced
>> comfortably apart and connected in parallel (effectively giving 225
>> ohms . I am told that the #14 version of the 450ohm line is actually
>> closer to 400ohms ...can anyone verify this ?
>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>> More thoughts? Suggestions?
>> Dave
>> NR1DX
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

21217. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-12 23:31:36 UTC
From: Artekmedia
Topic: 21211 Message: 21217

FWIW ....apparently it is worth quite a lot ..the DXE solution for 500 ft with the two transformer is $545 ($300 of which is for the baluns)!!!

Don't get me wrong I love DXE and have bought from them on occasion in the past and I am a satisfied customer...but the cost of the two baluns at $150 each is more than my Scottish ancestry gene pool can wrap it's mind around.

One troubling thing about the DXE system is they quote .7db total loss for the two baluns plus 500' of line but dont say at what frequency. They quote the ARRL handbook as the source of the loss figure which leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL handbook would gives .8db for 500' of window line. if I add another .2 db per balun I am now up to 1.2db total loss at 30 MHz (still good compared to coax at that length). Now I am the first person to argue who cares about .5dB, but the lack of full disclosure on DXE's part in their very detailed 5 page PDF document about the system seems just a bit disingenuous.

To answer one of my other questions though they do state that their 450 OHM Window line is really 400 OHM nominal impedance

I have an email into them for clarification on the loss figures

Dave
NR1DX

On 12/12/2011 3:08 PM, Ken wrote:
>
> FWIW, DX Engineering sells a setup exactly like that, two baluns and
> as much ladder line as you would like. You might check into their
> design for more information.
>
> Ken WA8JXM
>
> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
>
> > Earlier I posted on the group asking for experience with very long (a
> > 100' is nothing) open wire feed lines sighting a faintly remember
> > article in 73 (which I never did find) that used 4 wires instead of 2
> > and how you match that to 50 ohms on each end
> >
> > To date these are the requirements and what I have gleaned so far and a
> > plan is slowly forming
> >
> > 1) This will be the main feed line for all antennas from 160M -10M

> > 2) The antenna farm is about 500' away from the shack
> > 3) The ability to match to 50 ohm line on both ends is a necessity.
> > Tower and beam on on end, typical transceiver on the other
> > 4) Antenna tuners are not an option for many reasons so the system must
> > be broad band and very low loss
> >
> > Here are some of the things I have discovered so far
> > 1) a 500' open wire 600 ohm line would be reasonable to assemble and
> > not terribly expensive, losses of less than .25 db at 30 MHz are not
> > unrealistic to expect.
> > 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
> > at both ends. Truly flat low loss 16:1 baluns that cover the entire
> > frequency range are hard to build with most designs covering 1.8 to 14
> > MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun
> designs
> > using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> > possible solution but at a higher insertion loss, and broad band
> > performance appears to be tricky
> > 3) I now suspect the earlier article which used 4 wires which were
> > chosen to lower the feed line impedance to 200 ohms for an easier broad
> > band match using 4:1 baluns which are easier to construct and are
> > better behaved over the frequency range than the 16:1 baluns
> >
> > Next thought exercise
> >
> > 1) construct a 4 wire 200hm line. This requires spacing on the order of
> > 1.75" using #12. probably needs lots of spacers to be well behaved.
> >
> > 2) Another possibility is to use two 450 ohm ladder lines spaced
> > comfortably apart and connected in parallel (effectively giving 225
> > ohms . I am told that the #14 version of the 450ohm line is actually
> > closer to 400ohms ...can anyone verify this ?
> >
> >
> > Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
> >
> > More thoughts? Suggestions?
> >
> >
> > Dave
> > NR1DX
> >
> >
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com

PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21218. Colinear Arrays

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 00:19:34 UTC
From: Joe
Topic: 21218 Message: 21218

Anyone remember these?
http://sutherland.blogs.com/photos/uncategorized/emew6po2_2.jpg

Now I would assume, that the reflector could be replaced with a solid
sheet of metal true?

Joe WB9SBD
--

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

[Non-text portions of this message have been removed]

21219. Re: [ham-antennas] Collinear Arrays

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 01:07:18 UTC
From: Ron Youvan
Topic: 21218 Message: 21219

Joe WB9SBD wrote:

> http://sutherland.blogs.com/photos/uncategorized/emew6po2_2.jpg

> Now I would assume, that the reflector could be replaced with a solid
> sheet of metal true?

It is simply an array of 3 element yagis. The reflector elements can usually be replaced with
almost any reflector, but the tuned rods offer the least wind resistance.
This appears to be a "branch" array and not a collinear anything.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21220. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 01:21:03 UTC
From: MIKE DURKIN
Topic: 21211 Message: 21220

And the QRO amp cost?

To: ham-antennas@yahoogroups.com
From: nr1dx@...t
Date: Mon, 12 Dec 2011 17:31:36 -0600
Subject: Re: [ham-antennas] 500' feed lines , Part 2

FWIW ....apparently it is worth quite a lot ..the DXE solution for 500

ft with the two transformer is $545 ($300 of which is for the baluns)!!!

Don't get me wrong I love DXE and have bought from them on occasion in

the past and I am a satisfied customer...but the cost of the two baluns

at $150 each is more than my Scottish ancestry gene pool can wrap it's

mind around.

One troubling thing about the DXE system is they quote .7db total loss

for the two baluns plus 500' of line but dont say at what frequency.

They quote the ARRL handbook as the source of the loss figure which

leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL

handbook would gives .8db for 500' of window line. if I add another .2

db per balun I am now up to 1.2db total loss at 30 MHz (still good

compared to coax at that length). Now I am the first person to argue who

cares about .5dB, but the lack of full disclosure on DXE's part in their

very detailed 5 page PDF document about the system seems just a bit

disingenuous.

To answer one of my other questions though they do state that their 450

OHM Window line is really 400 OHM nominal impedance

I have an email into them for clarification on the loss figures

Dave

NR1DX

On 12/12/2011 3:08 PM, Ken wrote:

>

> FWIW, DX Engineering sells a setup exactly like that, two baluns and

> as much ladder line as you would like. You might check into their

> design for more information.

>

> Ken WA8JXM

>

> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:

>

> > Earlier I posted on the group asking for experience with very long (a

> > 100' is nothing) open wire feed lines sighting a faintly remember

> > article in 73 (which I never did find) that used 4 wires instead of 2

> > and how you match that to 50 ohms on each end

> >

> > To date these are the requirements and what I have gleaned so far and a

> > plan is slowly forming

> >

> > 1) This will be the main feed line for all antennas from 160M -10M

> > 2) The antenna farm is about 500' away from the shack

> > 3) The ability to match to 50 ohm line on both ends is a necessity.

> > Tower and beam on on end, typical transceiver on the other

> > 4) Antenna tuners are not an option for many reasons so the system must

> > be broad band and very low loss

> >

> > Here are some of the things I have discovered so far

> > 1) a 500' open wire 600 ohm line would be reasonable to assemble and

> > not terribly expensive, losses of less than .25 db at 30 MHz are not

> > unrealistic to expect.

> > 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms

> > at both ends. Truly flat low loss 16:1 baluns that cover the entire

> > frequency range are hard to build with most designs covering 1.8 to 14

> > MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun

> designs

> > using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one

> > possible solution but at a higher insertion loss, and broad band

> > performance appears to be tricky

> > 3) I now suspect the earlier article which used 4 wires which were

> > chosen to lower the feed line impedance to 200 ohms for an easier broad

> > band match using 4:1 baluns which are easier to construct and are

> > better behaved over the frequency range than the 16:1 baluns

> >

> > Next thought exercise

> >

> > 1) construct a 4 wire 200hm line. This requires spacing on the order of

> > 1.75" using #12. probably needs lots of spacers to be well behaved.

> >

> > 2) Another possibility is to use two 450 ohm ladder lines spaced

> > comfortably apart and connected in parallel (effectively giving 225

> > ohms . I am told that the #14 version of the 450ohm line is actually

> > closer to 400ohms ...can anyone verify this ?

> >

> >

> > Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?

> >

> > More thoughts? Suggestions?

> >

> >

> > Dave

> > NR1DX

> >

> >

>

>

--

Dave& Lynn Henderson

Manuals@...

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21221. RE: [ham-antennas] Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 01:31:02 UTC
From: Richard Schmuke
Topic: 21117 Message: 21221

Ernie, I would sure like to know where you got the SO-239 stub fittings for the antenna you made, the insulating washers should be no problem, I can make them but I am lost about the threaded rod to coax fitting.

Where did you get the stud mount SO-239? I have some with a stud but the stud is way too small to support the vertical, it is only a 3mm stud.

Did you drill and tap the rod or find some heavy wall tubing. I like making things myself. I have often wondered about this design myself because on the 2M monobander they feed the long element and they would be a large load on the SO-239, on the dual antenna they feed the stub.

Rich, Kd0zz

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ernie Rice
Sent: Saturday, December 10, 2011 8:53 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Open stub J-pole

Rich.

Here is a link to the open stub j pole I made. This is not MY antenna. As

you can see it is mounted directly to the mast with NO balun!

http://www.w4cll.com/my_jpole1.htm

Which is correct?

Ernie

On Sat, Dec 10, 2011 at 6:22 AM, Richard Schmuke <rdj@...> wrote:

> **

>

>

>

>

> Subject: Re: [ham-antennas] Open stub J-pole

>

>

>

> Thanks for your reply! Now I have heard it both ways! Some say as long as

> the mast is below the antenna that it is OK to bolt it directly to the

> mast! I am so confused!!!

>

> Ernie

>

> Sigi is very helpful and has good ideas but I think he needs to look at
you

> antenna schematic. A J-pole type antenna can work on a grounded mast, it
is

> recommended to use a coaxial choke just under the antenna to prevent RF

> flow

> back down the line. Five to seven wraps of RG-8X is common then RG-8 size

> to

> the radio.

> The slim-jim style j-poles are recommended to be on a non conductive mast.

> I have built both kinds and all my j-poles have been with a common mast/

> main element. No one has ever had a problem with one.

> The copper slim jims have used a 1/2 fiberglass rod as a mount, if it was

> made from 450 ohm line then I used PVC pipe.

>

> Rich, Kd0zz

>

>

>

--

Remember that when you think you have it all figured out... you wake up to

start all over again!

Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

http://groups.yahoo.com/group/ham-antennas/

Individual Email | Traditional

http://groups.yahoo.com/group/ham-antennas/join

(Yahoo! ID required)

ham-antennas-digest@yahoogroups.com

ham-antennas-fullfeatured@yahoogroups.com

ham-antennas-unsubscribe@yahoogroups.com

http://docs.yahoo.com/info/terms/

[Non-text portions of this message have been removed]

21222. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 01:56:24 UTC
From: Artekmedia
Topic: 21211 Message: 21222

Bought it over 25 years ago ...don't remember, I am working on the 2nd
set of 3-500's though ..Kind of like my 1996 ford explorer that has
210,000 miles on it ..had it so long cant remember what I paid for it ...

What is your point?

On 12/12/2011 7:21 PM, MIKE DURKIN wrote:
> And the QRO amp cost?
>
> To: ham-antennas@yahoogroups.com
> From: nr1dx@...
> Date: Mon, 12 Dec 2011 17:31:36 -0600
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500
>
> ft with the two transformer is $545 ($300 of which is for the baluns)!!!
>
>
>
> Don't get me wrong I love DXE and have bought from them on occasion in
>

> the past and I am a satisfied customer...but the cost of the two baluns
>
> at $150 each is more than my Scottish ancestry gene pool can wrap it's
>
> mind around.
>
>
>
> One troubling thing about the DXE system is they quote .7db total loss
>
> for the two baluns plus 500' of line but dont say at what frequency.
>
> They quote the ARRL handbook as the source of the loss figure which
>
> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL
>
> handbook would gives .8db for 500' of window line. if I add another .2
>
> db per balun I am now up to 1.2db total loss at 30 MHz (still good
>
> compared to coax at that length). Now I am the first person to argue who
>
> cares about .5dB, but the lack of full disclosure on DXE's part in their
>
> very detailed 5 page PDF document about the system seems just a bit
>
> disingenuous.
>
>
>
> To answer one of my other questions though they do state that their 450
>
> OHM Window line is really 400 OHM nominal impedance
>
>
>
> I have an email into them for clarification on the loss figures
>
>
>
> Dave
>
> NR1DX
>
>
>
> On 12/12/2011 3:08 PM, Ken wrote:
>
>> FWIW, DX Engineering sells a setup exactly like that, two baluns and
>> as much ladder line as you would like. You might check into their

>> design for more information.
>> Ken WA8JXM
>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
>>> Earlier I posted on the group asking for experience with very long (a
>>> 100' is nothing) open wire feed lines sighting a faintly remember
>>> article in 73 (which I never did find) that used 4 wires instead of 2
>>> and how you match that to 50 ohms on each end
>>> To date these are the requirements and what I have gleaned so far and a
>>> plan is slowly forming
>>> 1) This will be the main feed line for all antennas from 160M -10M
>>> 2) The antenna farm is about 500' away from the shack
>>> 3) The ability to match to 50 ohm line on both ends is a necessity.
>>> Tower and beam on on end, typical transceiver on the other
>>> 4) Antenna tuners are not an option for many reasons so the system must
>>> be broad band and very low loss
>>> Here are some of the things I have discovered so far
>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
>>> not terribly expensive, losses of less than .25 db at 30 MHz are not
>>> unrealistic to expect.
>>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
>>> frequency range are hard to build with most designs covering 1.8 to 14
>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun
>> designs
>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
>>> possible solution but at a higher insertion loss, and broad band
>>> performance appears to be tricky
>>> 3) I now suspect the earlier article which used 4 wires which were
>>> chosen to lower the feed line impedance to 200 ohms for an easier broad
>>> band match using 4:1 baluns which are easier to construct and are
>>> better behaved over the frequency range than the 16:1 baluns
>>> Next thought exercise
>>> 1) construct a 4 wire 200hm line. This requires spacing on the order of
>>> 1.75" using #12. probably needs lots of spacers to be well behaved.
>>> 2) Another possibility is to use two 450 ohm ladder lines spaced
>>> comfortably apart and connected in parallel (effectively giving 225
>>> ohms . I am told that the #14 version of the 450ohm line is actually
>>> closer to 400ohms ...can anyone verify this ?
>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>>> More thoughts? Suggestions?
>>> Dave
>>> NR1DX
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175

Welch,MN 55089

21223. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:05:49 UTC
From: Ron Youvan
Topic: 21211 Message: 21223

Dave Artekmedia NR1DX wrote:

> Earlier I posted on the group asking for experience with very long
> (100' is nothing) open wire feed lines sighting a faintly remember
> article in 73 (which I never did find) that used 4 wires instead of 2
> and how you match that to 50 ohms on each end

> To date these are the requirements and what I have gleaned so far and a
> plan is slowly forming

> 1) This will be the main feed line for all antennas from 160M -10M
> 2) The antenna farm is about 500' away from the shack
> 3) The ability to match to 50 ohm line on both ends is a necessity.
> Tower and beam on on end, typical transceiver on the other
> 4) Antenna tuners are not an option for many reasons so the system must
> be broad band and very low loss

> Here are some of the things I have discovered so far
> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
> not terribly expensive, losses of less than .25 db at 30 MHz are not
> unrealistic to expect.
> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
> at both ends. Truly flat low loss 16:1 baluns that cover the entire
> frequency range are hard to build with most designs covering 1.8 to 14
> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs
> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> possible solution but at a higher insertion loss, and broad band
> performance appears to be tricky
> 3) I now suspect the earlier article which used 4 wires which were
> chosen to lower the feed line impedance to 200 ohms for an easier broad
> band match using 4:1 baluns which are easier to construct and are
> better behaved over the frequency range than the 16:1 baluns

> Next thought exercise

> 1) construct a 4 wire 200hm line. This requires spacing on the order of
> 1.75" using #12. probably needs lots of spacers to be well behaved.

> 2) Another possibility is to use two 450 ohm ladder lines spaced
> comfortably apart and connected in parallel (effectively giving 225
> ohms . I am told that the #14 version of the 450ohm line is actually
> closer to 400ohms ...can anyone verify this ?

> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?

> More thoughts? Suggestions?

I would construct 600 Ohm line from "AWG 14 THHN" and "ladder snap" spreaders and I would use a
4:1 balun at each end and see how it performs before doing anything further. The idea of transforming it to 50 Ohms at each end seems quite unnecessary to me. (and over rated)

Two 250 foot packs at $75, I would choose white (and two 500' rolls of THHN, I would choose white) see: http://www.73cnc.com/product_p/ls250.htm

"> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?"
The losses lower as the impedance increases. (look in old ARRL antenna and handbooks)

Every only time I saw 4 wire open wire feed line there was a 10,000 Watt transmitter feeding it.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21224. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:06:57 UTC
From: Richard Solomon
Topic: 21211 Message: 21224

The TL-922A makes a nice IPA for the "Tubes with Handles" Amp crowd !!

73, Dick, W1KSZ

On Mon, Dec 12, 2011 at 3:42 PM, Artekmedia <nr1dx@...> wrote:

> **
>
>
> yep...TL922A
>
>
> On 12/12/2011 3:28 PM, MIKE DURKIN wrote:
> > Running QRO?
> >
> > To: ham-antennas@yahoogroups.com
> > From: wa8jxm@...
> > Date: Mon, 12 Dec 2011 16:08:28 -0500
> > Subject: Re: [ham-antennas] 500' feed lines , Part 2
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > FWIW, DX Engineering sells a setup exactly like that, two baluns and as
> much ladder line as you would like. You might check into their design for
> more information.

> >
> >
> >
> > Ken WA8JXM
> >
> >
> >
> > On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
> >
> >
> >
> >> Earlier I posted on the group asking for experience with very long (a
> >> 100' is nothing) open wire feed lines sighting a faintly remember
> >> article in 73 (which I never did find) that used 4 wires instead of 2
> >> and how you match that to 50 ohms on each end
> >> To date these are the requirements and what I have gleaned so far and a
> >> plan is slowly forming
> >> 1) This will be the main feed line for all antennas from 160M -10M
> >> 2) The antenna farm is about 500' away from the shack
> >> 3) The ability to match to 50 ohm line on both ends is a necessity.
> >> Tower and beam on on end, typical transceiver on the other
> >> 4) Antenna tuners are not an option for many reasons so the system must
> >> be broad band and very low loss
> >> Here are some of the things I have discovered so far
> >> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
> >> not terribly expensive, losses of less than .25 db at 30 MHz are not
> >> unrealistic to expect.
> >> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
> >> at both ends. Truly flat low loss 16:1 baluns that cover the entire
> >> frequency range are hard to build with most designs covering 1.8 to 14
> >> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs
> >> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> >> possible solution but at a higher insertion loss, and broad band
> >> performance appears to be tricky
> >> 3) I now suspect the earlier article which used 4 wires which were
> >> chosen to lower the feed line impedance to 200 ohms for an easier broad
> >> band match using 4:1 baluns which are easier to construct and are
> >> better behaved over the frequency range than the 16:1 baluns
> >> Next thought exercise
> >> 1) construct a 4 wire 200hm line. This requires spacing on the order of
> >> 1.75" using #12. probably needs lots of spacers to be well behaved.
> >> 2) Another possibility is to use two 450 ohm ladder lines spaced
> >> comfortably apart and connected in parallel (effectively giving 225
> >> ohms . I am told that the #14 version of the 450ohm line is actually
> >> closer to 400ohms ...can anyone verify this ?
> >> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
> >> More thoughts? Suggestions?
> >> Dave
> >> NR1DX
> >

> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175

> Welch,MN 55089
>
>
>

[Non-text portions of this message have been removed]

21225. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:13:29 UTC
From: MIKE DURKIN
Topic: 21211 Message: 21225

Well, im not sure what your trying to accomplish ... more signal to the world? Are you down in a gully?

If your a cloud burner right now and the long run is to get up a hill for better propergation ... what's your priorities at ... keep hro or buy the parts to get better propagation with 100w and later get balun's for the QRO level output. (id keep the amp ... I have a HL2K)

My point is forget the high power balun and get it working- QRO can come later.

What's better 3Kwpropergation into a antenna or 50wthe into

To: ham-antennas@yahoogroups.com
From: nr1dx@...
Date: Mon, 12 Dec 2011 19:56:24 -0600
Subject: Re: [ham-antennas] 500' feed lines , Part 2

Bought it over 25 years ago ...don't remember, I am working on the 2nd

set of 3-500's though ..Kind of like my 1996 ford explorer that has

210,000 miles on it ..had it so long cant remember what I paid for it ...

What is your point?

On 12/12/2011 7:21 PM, MIKE DURKIN wrote:

> And the QRO amp cost?

>

> To: ham-antennas@yahoogroups.com

> From: nr1dx@...

> Date: Mon, 12 Dec 2011 17:31:36 -0600

> Subject: Re: [ham-antennas] 500' feed lines , Part 2

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500

>

> ft with the two transformer is $545 ($300 of which is for the baluns)!!!

>

>

>

> Don't get me wrong I love DXE and have bought from them on occasion in

>

> the past and I am a satisfied customer...but the cost of the two baluns

>

> at $150 each is more than my Scottish ancestry gene pool can wrap it's

>

> mind around.

>

>

>

> One troubling thing about the DXE system is they quote .7db total loss

>

> for the two baluns plus 500' of line but dont say at what frequency.

>

> They quote the ARRL handbook as the source of the loss figure which

>

> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL

>

> handbook would gives .8db for 500' of window line. if I add another .2

>

> db per balun I am now up to 1.2db total loss at 30 MHz (still good

>

> compared to coax at that length). Now I am the first person to argue who

>

> cares about .5dB, but the lack of full disclosure on DXE's part in their

>

> very detailed 5 page PDF document about the system seems just a bit

>

> disingenuous.

>

>

>

> To answer one of my other questions though they do state that their 450

>

> OHM Window line is really 400 OHM nominal impedance

>

>

>

> I have an email into them for clarification on the loss figures

>

>

>

> Dave

>

> NR1DX

>

>

>

> On 12/12/2011 3:08 PM, Ken wrote:

>

>> FWIW, DX Engineering sells a setup exactly like that, two baluns and

>> as much ladder line as you would like. You might check into their

>> design for more information.

>> Ken WA8JXM

>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:

>>> Earlier I posted on the group asking for experience with very long (a

>>> 100' is nothing) open wire feed lines sighting a faintly remember

>>> article in 73 (which I never did find) that used 4 wires instead of 2

>>> and how you match that to 50 ohms on each end

>>> To date these are the requirements and what I have gleaned so far and a

>>> plan is slowly forming

>>> 1) This will be the main feed line for all antennas from 160M -10M

>>> 2) The antenna farm is about 500' away from the shack

>>> 3) The ability to match to 50 ohm line on both ends is a necessity.

>>> Tower and beam on on end, typical transceiver on the other

>>> 4) Antenna tuners are not an option for many reasons so the system must

>>> be broad band and very low loss

>>> Here are some of the things I have discovered so far

>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and

>>> not terribly expensive, losses of less than .25 db at 30 MHz are not

>>> unrealistic to expect.

>>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms

>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire

>>> frequency range are hard to build with most designs covering 1.8 to 14

>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun

>> designs

>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one

>>> possible solution but at a higher insertion loss, and broad band

>>> performance appears to be tricky

>>> 3) I now suspect the earlier article which used 4 wires which were

>>> chosen to lower the feed line impedance to 200 ohms for an easier broad

>>> band match using 4:1 baluns which are easier to construct and are

>>> better behaved over the frequency range than the 16:1 baluns

>>> Next thought exercise

>>> 1) construct a 4 wire 200hm line. This requires spacing on the order of

>>> 1.75" using #12. probably needs lots of spacers to be well behaved.

>>> 2) Another possibility is to use two 450 ohm ladder lines spaced

>>> comfortably apart and connected in parallel (effectively giving 225

>>> ohms . I am told that the #14 version of the 450ohm line is actually

>>> closer to 400ohms ...can anyone verify this ?

>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?

>>> More thoughts? Suggestions?

>>> Dave

>>> NR1DX

>

>

--

Dave& Lynn Henderson

Manuals@ArtekMedia.com

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

21226. Re: spiro antenna shorteners

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:14:17 UTC
From: fly_ul
Topic: 21089 Message: 21226

The instructions say to use 25 foot wire segments. So the shortners go in the middle.

wo4r

--- In ham-antennas@yahoogroups.com, ka9egw@... wrote:
>
> What he said; I have a set of those but have had no luck getting spi-ro to
> reply to my inquiries about wire lengths to use with them...
>
> 73, Brian KA9EGW
>
> > I was thinking of using spiro-mfg LC-160 to shorten a 160 meter dipole. I
> > know it will have reduced efficency, but my question is will this antenna
> > work on 80 meters?
> >
> > Jeff
> > wo4r
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
>

21227. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:17:20 UTC
From: MIKE DURKIN
Topic: 21211 Message: 21227

Friken character buffer overload!!!!!!

I meant....

What's better .... 3Kw into a cantenna or 50w into a fullwave vertical?

> To: ham-antennas@yahoogroups.com
> From: Patriot121@...
> Date: Mon, 12 Dec 2011 18:13:29 -0800
> Subject: RE: [ham-antennas] 500' feed lines , Part 2
>
> Well, im not sure what your trying to accomplish ... more signal to the world? Are you down in a gully?
>
> If your a cloud burner right now and the long run is to get up a hill for better propergation ... what's your priorities at ... keep hro or buy the parts to get better propagation with 100w and later get balun's for the QRO level output. (id keep the amp ... I have a HL2K)
>
> My point is forget the high power balun and get it working- QRO can come later.
>
> What's better 3Kwpropergation into a antenna or 50wthe into
>
> To: ham-antennas@yahoogroups.com
> From: nr1dx@...
> Date: Mon, 12 Dec 2011 19:56:24 -0600
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
> Bought it over 25 years ago ...don't remember, I am working on the 2nd
>
> set of 3-500's though ..Kind of like my 1996 ford explorer that has
>
> 210,000 miles on it ..had it so long cant remember what I paid for it ...
>
>
>
> What is your point?
>
>
>
> On 12/12/2011 7:21 PM, MIKE DURKIN wrote:
>
> > And the QRO amp cost?
>
> >
>
> > To: ham-antennas@yahoogroups.com
>
> > From: nr1dx@...
>
> > Date: Mon, 12 Dec 2011 17:31:36 -0600
>
> > Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >

>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> > FWIW ....apparently it is worth quite a lot ..the DXE solution for 500
>
> >
>
> > ft with the two transformer is $545 ($300 of which is for the baluns)!!!
>
> >
>
> >
>
> >
>
> > Don't get me wrong I love DXE and have bought from them on occasion in
>
> >
>
> > the past and I am a satisfied customer...but the cost of the two baluns
>
> >
>
> > at $150 each is more than my Scottish ancestry gene pool can wrap it's

>
> >
>
> > mind around.
>
> >
>
> >
>
> >
>
> > One troubling thing about the DXE system is they quote .7db total loss
>
> >
>
> > for the two baluns plus 500' of line but dont say at what frequency.
>
> >
>
> > They quote the ARRL handbook as the source of the loss figure which
>
> >
>
> > leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL
>
> >
>
> > handbook would gives .8db for 500' of window line. if I add another .2
>
> >
>
> > db per balun I am now up to 1.2db total loss at 30 MHz (still good
>
> >
>
> > compared to coax at that length). Now I am the first person to argue who
>
> >
>
> > cares about .5dB, but the lack of full disclosure on DXE's part in their
>
> >
>
> > very detailed 5 page PDF document about the system seems just a bit
>
> >
>
> > disingenuous.
>
> >

>
> >
>
> >
>
> > To answer one of my other questions though they do state that their 450
>
> >
>
> > OHM Window line is really 400 OHM nominal impedance
>
> >
>
> >
>
> >
>
> > I have an email into them for clarification on the loss figures
>
> >
>
> >
>
> >
>
> > Dave
>
> >
>
> > NR1DX
>
> >
>
> >
>
> >
>
> > On 12/12/2011 3:08 PM, Ken wrote:
>
> >
>
> >> FWIW, DX Engineering sells a setup exactly like that, two baluns and
>
> >> as much ladder line as you would like. You might check into their
>
> >> design for more information.
>
> >> Ken WA8JXM
>
> >> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:

>
> >>> Earlier I posted on the group asking for experience with very long (a
>
> >>> 100' is nothing) open wire feed lines sighting a faintly remember
>
> >>> article in 73 (which I never did find) that used 4 wires instead of 2
>
> >>> and how you match that to 50 ohms on each end
>
> >>> To date these are the requirements and what I have gleaned so far and a
>
> >>> plan is slowly forming
>
> >>> 1) This will be the main feed line for all antennas from 160M -10M
>
> >>> 2) The antenna farm is about 500' away from the shack
>
> >>> 3) The ability to match to 50 ohm line on both ends is a necessity.
>
> >>> Tower and beam on on end, typical transceiver on the other
>
> >>> 4) Antenna tuners are not an option for many reasons so the system must
>
> >>> be broad band and very low loss
>
> >>> Here are some of the things I have discovered so far
>
> >>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
>
> >>> not terribly expensive, losses of less than .25 db at 30 MHz are not
>
> >>> unrealistic to expect.
>
> >>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
>
> >>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
>
> >>> frequency range are hard to build with most designs covering 1.8 to 14
>
> >>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun
>
> >> designs
>
> >>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
>
> >>> possible solution but at a higher insertion loss, and broad band
>
> >>> performance appears to be tricky
>
> >>> 3) I now suspect the earlier article which used 4 wires which were

>
> >>> chosen to lower the feed line impedance to 200 ohms for an easier broad
>
> >>> band match using 4:1 baluns which are easier to construct and are
>
> >>> better behaved over the frequency range than the 16:1 baluns
>
> >>> Next thought exercise
>
> >>> 1) construct a 4 wire 200hm line. This requires spacing on the order of
>
> >>> 1.75" using #12. probably needs lots of spacers to be well behaved.
>
> >>> 2) Another possibility is to use two 450 ohm ladder lines spaced
>
> >>> comfortably apart and connected in parallel (effectively giving 225
>
> >>> ohms . I am told that the #14 version of the 450ohm line is actually
>
> >>> closer to 400ohms ...can anyone verify this ?
>
> >>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>
> >>> More thoughts? Suggestions?
>
> >>> Dave
>
> >>> NR1DX
>
> >
>
> >
>
>
>
> --
>
> Dave& Lynn Henderson
>
> Manuals@...
>
> www.Artekmedia.com
>
> PO Box 175
>
> Welch,MN 55089
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21228. Re: Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:30:03 UTC
From: jm38401
Topic: 21117 Message: 21228

Isn't it a standard 3/8" X 24 SO-239 stud? Appears to be. Do a google search on "so-239 stud" and look at the pictures at the top of the page.

73,

John
K4KQZ

> Ernie, I would sure like to know where you got the SO-239 stub fittings for the antenna you made,

21229. Re: [ham-antennas] Collinear Arrays

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:37:37 UTC
From: Joe
Topic: 21218 Message: 21229

no it may look like that,

but this WAS a major player of antenna gain in the 60's and 70's it IS
a collinear array. sometime also extended and expanded. Cushcraft made
thousands of them. And some of the first successful moonbounce contacts
were made using this type of antenna.

joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 12/12/2011 7:07 PM, Ron Youvan wrote:
> Joe WB9SBD wrote:
>
>> http://sutherland.blogs.com/photos/uncategorized/emew6po2_2.jpg
>> Now I would assume, that the reflector could be replaced with a solid
>> sheet of metal true?
> It is simply an array of 3 element yagis. The reflector elements can usually be replaced
with
> almost any reflector, but the tuned rods offer the least wind resistance.
> This appears to be a "branch" array and not a collinear anything.

[Non-text portions of this message have been removed]

21230. Re: Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:49:05 UTC
From: ksjensen
Topic: 21117 Message: 21230

I found mine at a truck stop and also have seen them at rad shack. I want to make another OSJ using 3/8" stainless steel tubing. Does anyone know if it would perform the same? Or is aluminum still the best choice?

Kent
kc7cnc

--- In ham-antennas@yahoogroups.com, "jm38401" <jdm110@...> wrote:
>
> Isn't it a standard 3/8" X 24 SO-239 stud? Appears to be. Do a google search on "so-239 stud" and look at the pictures at the top of the page.
>
> 73,
>
> John
> K4KQZ
>
>
> > Ernie, I would sure like to know where you got the SO-239 stub fittings for the antenna you made,
>

21231. Re: [ham-antennas] Re: Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:52:01 UTC
From: Ernie Rice
Topic: 21117 Message: 21231

I used threaded rod for the 6 and 57 in elements and aircraft grade for the
19 and wors great.

Ernie

On Mon, Dec 12, 2011 at 6:49 PM, ksjensen <kc7cnc@...> wrote:

> **
>
>
>
>
> I found mine at a truck stop and also have seen them at rad shack. I want
> to make another OSJ using 3/8" stainless steel tubing. Does anyone know if
> it would perform the same? Or is aluminum still the best choice?
>
> Kent
> kc7cnc
>
> --- In ham-antennas@yahoogroups.com, "jm38401" <jdm110@...> wrote:
> >
> > Isn't it a standard 3/8" X 24 SO-239 stud? Appears to be. Do a google
> search on "so-239 stud" and look at the pictures at the top of the page.
> >
> > 73,
> >
> > John
> > K4KQZ
> >
> >
> > > Ernie, I would sure like to know where you got the SO-239 stub
> fittings for the antenna you made,
> >
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21232. RE: [ham-antennas] Re: Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 02:55:55 UTC
From: Richard Schmuke
Topic: 21117 Message: 21232

The drawing for that antenna indicates the SO-239 has a male threaded stud as part of it. The standard one you speak of is a female 3/8x24 for a CB type whip.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jm38401
Sent: Monday, December 12, 2011 8:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Open stub J-pole

Isn't it a standard 3/8" X 24 SO-239 stud? Appears to be. Do a google search on "so-239 stud" and look at the pictures at the top of the page.

73,

John
K4KQZ

> Ernie, I would sure like to know where you got the SO-239 stub fittings for the antenna you made,

[Non-text portions of this message have been removed]

21233. RE: [ham-antennas] Re: Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 03:26:03 UTC
From: Richard Schmuke
Topic: 21117 Message: 21233

I have the SO-239 and 3/8-24 adaptor also, the factory drawing looks like it has a male stud not a 3/8-24 female, I was looking for a SO-239 with a large male stud as a integral part.

SS steel wire would have a difference with a 80M antenna but remember almost all 3 to 4ft whips are 17-7 stainless steel

Rich , Kd0zz

Subject: [ham-antennas] Re: Open stub J-pole

I found mine at a truck stop and also have seen them at rad shack. I want to make another OSJ using 3/8" stainless steel tubing. Does anyone know if it would perform the same? Or is aluminum still the best choice?

Kent
kc7cnc

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "jm38401" <jdm110@...> wrote:
>
> Isn't it a standard 3/8" X 24 SO-239 stud? Appears to be. Do a google search on "so-239 stud" and look at the pictures at the top of the page.
>
> 73,
>
> John
> K4KQZ
>
>
> > Ernie, I would sure like to know where you got the SO-239 stub fittings for the antenna you made,
>

[Non-text portions of this message have been removed]

21234. what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 04:06:50 UTC
From: kj6ddf
Topic: 21234 Message: 21234

I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna

21235. Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 04:19:51 UTC
From: Ken
Topic: 21234 Message: 21235

On Dec 12, 2011, at 11:06 PM, kj6ddf wrote:

> I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
>
>

My first was a 40/80m fan dipole (also works on 15). The yard wasn't big enough so the ends of the 80m section were bent back.

You didn't mention what bands you want or what kind of operation you want. Or what space or supports you have available. Or how much you want to spend. All of those play heavily into any recommendation.

But simple dipoles are a decent way to get started.

73, Ken WA8JXM

21236. Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 04:40:10 UTC
From: Artekmedia
Topic: 21234 Message: 21236

Back in 1961 my first antenna was a 300 ohm folded dipole for 40 meters.
made from salvaged TV twin lead

The tank circuit on my home brew single tube transmitter using an 807 as
a xtal controlled oscillator was set up to match the 300ohm line
rather than 50 ohms popular today.

If I were starting out today I would build a skeleton sleeve antenna (
see October 2011 QST) ... I built one of these recently and later added
2 more bands one antenna covering 20/15/12 and 10 ..simple to put up

Dave

NR1DX

On 12/12/2011 10:19 PM, Ken wrote:
>
>
> On Dec 12, 2011, at 11:06 PM, kj6ddf wrote:
>
> > I have a Kenwood TS-590S it's my first HF rig and I wondering what
> would be a good first antenna
> >
> >
>
> My first was a 40/80m fan dipole (also works on 15). The yard wasn't
> big enough so the ends of the 80m section were bent back.
>
> You didn't mention what bands you want or what kind of operation you
> want. Or what space or supports you have available. Or how much you
> want to spend. All of those play heavily into any recommendation.
>
> But simple dipoles are a decent way to get started.
>
> 73, Ken WA8JXM
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21237. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 04:47:26 UTC
From: Artekmedia
Topic: 21211 Message: 21237

Point is..... the optimum location for the antenna farm is 500' from the shack .... looking for the most cost effective solution to get a feed line out there that is not effectively a 500' long cantenna . wire line looks like the best solution from a loss perspective but the impedance sucks when it comes to matching the tribander at the far end and the TL922 on this end....ergo matching transformers at each end ... need broadband transformers for 160 through 10 I work all of them equally. If I could afford it I would run 2" hard line out there and be done with it.

The issue is not about power, the cost of winding a 2KW balun is only pennies more than a 200w balun so that is not the quandry. The issue with the baluns is a truly broad band solution. Everything I have read so far says it is much easier to wind a 4:1 balun that is flat from 1Mhz to 50 MHz than it is to wind a 16:1 balun that is flat over the same range.

Another poster suggested forget about trying to match the 50 ohm line to to the open wire exactly and just use the 4:1 balun at each end and take the mismatch to the 600ohm line presumably from the perspective that any mismatch on a open wire line is of no consequence from a loss perspective . Now I have never seen anyone actually report on how well that worked out but lets do the math .

1) 4:1 balun steps the 50 ohm load at the far end up to 200 ohms

2) Let say for the sake of argument that we have a 600ohm open wire feed line and it is exactly 1/4 wave long or a multiple there of ......this is by the way the worst case

3) Using the 1/4 wave line impedance transformation equation Zin=(Zo x Zo) / Zload..gives an impedance of (600 x 600) /200 = 1800 ohms at the other end

4) Now the 4:1 balun at the transmitter end of the line steps the 1800 ohms down to 450 ohms presenting the TL922 with a 9:1 mismatch which high power amps REALLY DO NOT LIKE resulting in all kinds of "interesting and exciting" behaviors

5) Depending on the actual line length other interesting impedance's result as we move around the smith chart until we get magically to lines which are EXACTLY 1/2 wave or a multiple there off. In that rare case the 200 ohm impedance at the load arrives at the transmitter end as exactly 200 ohms. and is 4:1 stepped back down to 50 ohms. Having a rubber feed line that is always EXACTLY a 1/2 wave long at all frequencies is not practical and that is in one perspective what antenna tuners do .

6) In case you missed it in the original post using antenna tuners is
NOT an option in this case but it would likely solve the mismatch
impedance transformation problem. . If your into using antenna tuners
then the impedance mismatch as a result of the open wire line mismatch
could be solved. Unlike baluns 2kw antenna tuners are significantly more
expensive than 200W tuners. Also depending on the configuration and the
impedance mismatch the losses in the tuner can be significant,
certainly more than a few tenths of a db lost in a well designed balun.

Dave
NR1DX

On 12/12/2011 8:13 PM, MIKE DURKIN wrote:
> Well, im not sure what your trying to accomplish ... more signal to the world? Are you down in a gully?
>
> If your a cloud burner right now and the long run is to get up a hill for better propergation ... what's your priorities at ... keep hro or buy the parts to get better propagation with 100w and later get balun's for the QRO level output. (id keep the amp ... I have a HL2K)
>
> My point is forget the high power balun and get it working- QRO can come later.
>
> What's better 3Kwpropergation into a antenna or 50wthe into
>
> To: ham-antennas@yahoogroups.com
> From: nr1dx@...
> Date: Mon, 12 Dec 2011 19:56:24 -0600
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
> Bought it over 25 years ago ...don't remember, I am working on the 2nd
>
> set of 3-500's though ..Kind of like my 1996 ford explorer that has
>
> 210,000 miles on it ..had it so long cant remember what I paid for it ...
>
>
>
> What is your point?
>
>
>
> On 12/12/2011 7:21 PM, MIKE DURKIN wrote:
>
>> And the QRO amp cost?
>> To: ham-antennas@yahoogroups.com
>> From: nr1dx@...
>> Date: Mon, 12 Dec 2011 17:31:36 -0600
>> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500
>> ft with the two transformer is $545 ($300 of which is for the baluns)!!!
>> Don't get me wrong I love DXE and have bought from them on occasion in
>> the past and I am a satisfied customer...but the cost of the two baluns
>> at $150 each is more than my Scottish ancestry gene pool can wrap it's
>> mind around.
>> One troubling thing about the DXE system is they quote .7db total loss
>> for the two baluns plus 500' of line but dont say at what frequency.
>> They quote the ARRL handbook as the source of the loss figure which
>> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL
>> handbook would gives .8db for 500' of window line. if I add another .2
>> db per balun I am now up to 1.2db total loss at 30 MHz (still good
>> compared to coax at that length). Now I am the first person to argue who
>> cares about .5dB, but the lack of full disclosure on DXE's part in their
>> very detailed 5 page PDF document about the system seems just a bit
>> disingenuous.
>> To answer one of my other questions though they do state that their 450
>> OHM Window line is really 400 OHM nominal impedance
>> I have an email into them for clarification on the loss figures
>> Dave
>> NR1DX
>> On 12/12/2011 3:08 PM, Ken wrote:
>>> FWIW, DX Engineering sells a setup exactly like that, two baluns and
>>> as much ladder line as you would like. You might check into their
>>> design for more information.
>>> Ken WA8JXM
>>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
>>>> Earlier I posted on the group asking for experience with very long (a
>>>> 100' is nothing) open wire feed lines sighting a faintly remember
>>>> article in 73 (which I never did find) that used 4 wires instead of 2

>>>> and how you match that to 50 ohms on each end
>>>> To date these are the requirements and what I have gleaned so far and a
>>>> plan is slowly forming
>>>> 1) This will be the main feed line for all antennas from 160M -10M
>>>> 2) The antenna farm is about 500' away from the shack
>>>> 3) The ability to match to 50 ohm line on both ends is a necessity.
>>>> Tower and beam on on end, typical transceiver on the other
>>>> 4) Antenna tuners are not an option for many reasons so the system must
>>>> be broad band and very low loss
>>>> Here are some of the things I have discovered so far
>>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
>>>> not terribly expensive, losses of less than .25 db at 30 MHz are not
>>>> unrealistic to expect.
>>>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
>>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
>>>> frequency range are hard to build with most designs covering 1.8 to 14
>>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun
>>> designs
>>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
>>>> possible solution but at a higher insertion loss, and broad band
>>>> performance appears to be tricky
>>>> 3) I now suspect the earlier article which used 4 wires which were
>>>> chosen to lower the feed line impedance to 200 ohms for an easier broad
>>>> band match using 4:1 baluns which are easier to construct and are
>>>> better behaved over the frequency range than the 16:1 baluns
>>>> Next thought exercise
>>>> 1) construct a 4 wire 200hm line. This requires spacing on the order of
>>>> 1.75" using #12. probably needs lots of spacers to be well behaved.
>>>> 2) Another possibility is to use two 450 ohm ladder lines spaced
>>>> comfortably apart and connected in parallel (effectively giving 225
>>>> ohms . I am told that the #14 version of the 450ohm line is actually
>>>> closer to 400ohms ...can anyone verify this ?
>>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>>>> More thoughts? Suggestions?
>>>> Dave
>>>> NR1DX
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

21238. Fwd: Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 04:50:26 UTC
From: van wd8aam
Topic: 21238 Message: 21238

>To: ham-antennas@yahoogroups.com
>From: Ken <wa8jxm@...>
>Sender: ham-antennas@yahoogroups.com
>
>Date: Mon, 12 Dec 2011 16:08:28 -0500
>Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>FWIW, DX Engineering sells a setup exactly like that, two baluns and
>as much ladder line as you would like. You might check into their
>design for more information.

Ken WA8JXM

http://www.dxengineering.com/pdf/DXE-BAL450-H10-B-P-Rev0.pdf
Heres the URL for the baluns @ DXengineering.
Van wd8aam

>On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
> > Earlier I posted on the group asking for experience with very long (a
> > 100' is nothing) open wire feed lines sighting a faintly remember
> > article in 73 (which I never did find) that used 4 wires instead of 2
> > and how you match that to 50 ohms on each end
> >
> > To date these are the requirements and what I have gleaned so far and a
> > plan is slowly forming
> >
> > 1) This will be the main feed line for all antennas from 160M -10M
> > 2) The antenna farm is about 500' away from the shack
> > 3) The ability to match to 50 ohm line on both ends is a necessity.
> > Tower and beam on on end, typical transceiver on the other
> > 4) Antenna tuners are not an option for many reasons so the system must
> > be broad band and very low loss
> >
> > Here are some of the things I have discovered so far
> > 1) a 500' open wire 600 ohm line would be reasonable to assemble and
> > not terribly expensive, losses of less than .25 db at 30 MHz are not
> > unrealistic to expect.
> > 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
> > at both ends. Truly flat low loss 16:1 baluns that cover the entire
> > frequency range are hard to build with most designs covering 1.8 to 14
> > MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs
> > using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> > possible solution but at a higher insertion loss, and broad band
> > performance appears to be tricky
> > 3) I now suspect the earlier article which used 4 wires which were
> > chosen to lower the feed line impedance to 200 ohms for an easier broad

> > band match using 4:1 baluns which are easier to construct and are
> > better behaved over the frequency range than the 16:1 baluns
> >
> > Next thought exercise
> >
> > 1) construct a 4 wire 200hm line. This requires spacing on the order of
> > 1.75" using #12. probably needs lots of spacers to be well behaved.
> >
> > 2) Another possibility is to use two 450 ohm ladder lines spaced
> > comfortably apart and connected in parallel (effectively giving 225
> > ohms . I am told that the #14 version of the 450ohm line is actually
> > closer to 400ohms ...can anyone verify this ?
> >
> > > Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
> > > More thoughts? Suggestions?

> > > Dave
> > NR1DX

21239. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 05:23:33 UTC
From: MIKE DURKIN
Topic: 21211 Message: 21239

Ok, im eventually going to be doing the same thing .... cept slightly over 1000'.

Im not sure of cost ... but why not use power splitters .. and simpler 1:9 transformers ...

Like 4 250w SS PA's ... without the transistors.

It will handle the power and broadband ...

To: ham-antennas@yahoogroups.com
From: nr1dx@...
Date: Mon, 12 Dec 2011 22:47:26 -0600
Subject: Re: [ham-antennas] 500' feed lines , Part 2

Point is..... the optimum location for the antenna farm is 500' from

the shack .... looking for the most cost effective solution to get a

feed line out there that is not effectively a 500' long cantenna . wire

line looks like the best solution from a loss perspective but the

impedance sucks when it comes to matching the tribander at the far end

and the TL922 on this end....ergo matching transformers at each end ...

need broadband transformers for 160 through 10 I work all of them

equally. If I could afford it I would run 2" hard line out there and be

done with it.

The issue is not about power, the cost of winding a 2KW balun is only

pennies more than a 200w balun so that is not the quandry. The issue

with the baluns is a truly broad band solution. Everything I have read

so far says it is much easier to wind a 4:1 balun that is flat from 1Mhz

to 50 MHz than it is to wind a 16:1 balun that is flat over the same range.

Another poster suggested forget about trying to match the 50 ohm line to

to the open wire exactly and just use the 4:1 balun at each end and

take the mismatch to the 600ohm line presumably from the perspective

that any mismatch on a open wire line is of no consequence from a loss

perspective . Now I have never seen anyone actually report on how well

that worked out but lets do the math .

1) 4:1 balun steps the 50 ohm load at the far end up to 200 ohms

2) Let say for the sake of argument that we have a 600ohm open wire feed line and it is exactly 1/4 wave long or a multiple there of ......this is by the way the worst case

3) Using the 1/4 wave line impedance transformation equation Zin=(Zo x Zo) / Zload..gives an impedance of (600 x 600) /200 = 1800 ohms at the other end

4) Now the 4:1 balun at the transmitter end of the line steps the 1800 ohms down to 450 ohms presenting the TL922 with a 9:1 mismatch which high power amps REALLY DO NOT LIKE resulting in all kinds of "interesting and exciting" behaviors

5) Depending on the actual line length other interesting impedance's result as we move around the smith chart until we get magically to lines which are EXACTLY 1/2 wave or a multiple there off. In that rare case the 200 ohm impedance at the load arrives at the transmitter end as exactly 200 ohms. and is 4:1 stepped back down to 50 ohms. Having a rubber feed line that is always EXACTLY a 1/2 wave long at all frequencies is not practical and that is in one perspective what antenna tuners do .

6) In case you missed it in the original post using antenna tuners is NOT an option in this case but it would likely solve the mismatch impedance transformation problem. . If your into using antenna tuners then the impedance mismatch as a result of the open wire line mismatch could be solved. Unlike baluns 2kw antenna tuners are significantly more expensive than 200W tuners. Also depending on the configuration and the impedance mismatch the losses in the tuner can be significant, certainly more than a few tenths of a db lost in a well designed balun.

Dave

NR1DX

On 12/12/2011 8:13 PM, MIKE DURKIN wrote:

> Well, im not sure what your trying to accomplish ... more signal to the world? Are you down in a gully?

>

> If your a cloud burner right now and the long run is to get up a hill for better propergation ... what's your priorities at ... keep hro or buy the parts to get better propagation with 100w and later get balun's for the QRO level output. (id keep the amp ... I have a HL2K)

>

> My point is forget the high power balun and get it working- QRO can come later.

>

> What's better 3Kwpropergation into a antenna or 50wthe into

>

> To: ham-antennas@yahoogroups.com

> From: nr1dx@...

> Date: Mon, 12 Dec 2011 19:56:24 -0600

> Subject: Re: [ham-antennas] 500' feed lines , Part 2

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> Bought it over 25 years ago ...don't remember, I am working on the 2nd

>

> set of 3-500's though ..Kind of like my 1996 ford explorer that has

>

> 210,000 miles on it ..had it so long cant remember what I paid for it ...

>

>

>

> What is your point?

>

>

>

> On 12/12/2011 7:21 PM, MIKE DURKIN wrote:

>

>> And the QRO amp cost?

>> To: ham-antennas@yahoogroups.com

>> From: nr1dx@...

>> Date: Mon, 12 Dec 2011 17:31:36 -0600

>> Subject: Re: [ham-antennas] 500' feed lines , Part 2

>> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500

>> ft with the two transformer is $545 ($300 of which is for the baluns)!!!

>> Don't get me wrong I love DXE and have bought from them on occasion in

>> the past and I am a satisfied customer...but the cost of the two baluns

>> at $150 each is more than my Scottish ancestry gene pool can wrap it's

>> mind around.

>> One troubling thing about the DXE system is they quote .7db total loss

>> for the two baluns plus 500' of line but dont say at what frequency.

>> They quote the ARRL handbook as the source of the loss figure which

>> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL

>> handbook would gives .8db for 500' of window line. if I add another .2

>> db per balun I am now up to 1.2db total loss at 30 MHz (still good

>> compared to coax at that length). Now I am the first person to argue who

>> cares about .5dB, but the lack of full disclosure on DXE's part in their

>> very detailed 5 page PDF document about the system seems just a bit

>> disingenuous.

>> To answer one of my other questions though they do state that their 450

>> OHM Window line is really 400 OHM nominal impedance

>> I have an email into them for clarification on the loss figures

>> Dave

>> NR1DX

>> On 12/12/2011 3:08 PM, Ken wrote:

>>> FWIW, DX Engineering sells a setup exactly like that, two baluns and

>>> as much ladder line as you would like. You might check into their

>>> design for more information.

>>> Ken WA8JXM

>>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:

>>>> Earlier I posted on the group asking for experience with very long (a

>>>> 100' is nothing) open wire feed lines sighting a faintly remember

>>>> article in 73 (which I never did find) that used 4 wires instead of 2

>>>> and how you match that to 50 ohms on each end

>>>> To date these are the requirements and what I have gleaned so far and a

>>>> plan is slowly forming

>>>> 1) This will be the main feed line for all antennas from 160M -10M

>>>> 2) The antenna farm is about 500' away from the shack

>>>> 3) The ability to match to 50 ohm line on both ends is a necessity.

>>>> Tower and beam on on end, typical transceiver on the other

>>>> 4) Antenna tuners are not an option for many reasons so the system must

>>>> be broad band and very low loss

>>>> Here are some of the things I have discovered so far

>>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and

>>>> not terribly expensive, losses of less than .25 db at 30 MHz are not

>>>> unrealistic to expect.

>>>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms

>>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire

>>>> frequency range are hard to build with most designs covering 1.8 to 14

>>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun

>>> designs

>>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one

>>>> possible solution but at a higher insertion loss, and broad band

>>>> performance appears to be tricky

>>>> 3) I now suspect the earlier article which used 4 wires which were

>>>> chosen to lower the feed line impedance to 200 ohms for an easier broad

>>>> band match using 4:1 baluns which are easier to construct and are

>>>> better behaved over the frequency range than the 16:1 baluns

>>>> Next thought exercise

>>>> 1) construct a 4 wire 200hm line. This requires spacing on the order of

>>>> 1.75" using #12. probably needs lots of spacers to be well behaved.

>>>> 2) Another possibility is to use two 450 ohm ladder lines spaced

>>>> comfortably apart and connected in parallel (effectively giving 225

>>>> ohms . I am told that the #14 version of the 450ohm line is actually

>>>> closer to 400ohms ...can anyone verify this ?

>>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?

>>>> More thoughts? Suggestions?

>>>> Dave

>>>> NR1DX

>

>

--

Dave& Lynn Henderson

Manuals@...

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

21240. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 05:26:31 UTC
From: Tom Mitchell VE7TOM
Topic: 21211 Message: 21240

I do this with about 450 feet of feed line and have about 1.2 to 1.4 DB loss on 20 meters from the coax in the back of the transceiver through the amp to the output of the remote antenna switch box. I have measured two different ways - Bird watt meter and dummy load and antenna analyzer. They agree with each other.

I am using about 20 feet of coax from inside the house to a DXE 5KW balun to 450 ohm ribbon line. Then run 450 feet up the hill using electric fence 6 or 8 inch insulators on tops of garden posts and trees trucks. At the top end I have a relay box to switch the 450 ohm ribbon line to several other 450 ohm antennas as well as another DXE balun to get back to 50 ohms. That balun goes to a remote coaxial antenna switch for my 50 ohm antennas.

Works well. There are several sizes of wire used in 450 ohm ribbon wire. If QRO then get the bigger wire size. Helps lower resistive losses somewhat but also more copper so stronger in a wind storm.

Twist the ribbon wire every few feet. The goal is to cancel out any E field such as other noise sources the ribbon experiences. In theory it may work but the ribbon is probably not that well balanced anyways due to routing nearby other objects and ground and tree proximity.

No RF in the shack and the antennas are high on a hill with a 270 degree clear view. No household electrical noise picked up by the antennas either. However, my wife keeps turning on an electric fencer on the horse paddock near the antenna site and that tests the noise blankers in the radios. Fortunately, the fencer has an off switch for important contests and rare Dx.

Tom VE7TOM

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Artekmedia
Sent: Monday, December 12, 2011 8:47 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 500' feed lines , Part 2

Point is..... the optimum location for the antenna farm is 500' from the shack .... looking for the most cost effective solution to get a feed line out there that is not effectively a 500' long cantenna . wire line looks like the best solution from a loss perspective but the impedance sucks when it comes to matching the tribander at the far end and the TL922 on this end....ergo matching transformers at each end ... need broadband transformers for 160 through 10 I work all of them equally. If I could afford it I would run 2" hard line out there and be done with it.

The issue is not about power, the cost of winding a 2KW balun is only pennies more than a 200w balun so that is not the quandry. The issue with the baluns is a truly broad band solution. Everything I have read so far says it is much easier to wind a 4:1 balun that is flat from 1Mhz to 50 MHz than it is to wind a 16:1 balun that is flat over the same range.

Another poster suggested forget about trying to match the 50 ohm line to to the open wire exactly and just use the 4:1 balun at each end and take the mismatch to the 600ohm line presumably from the perspective that any mismatch on a open wire line is of no consequence from a loss perspective . Now I have never seen anyone actually report on how well that worked out but lets do the math .

1) 4:1 balun steps the 50 ohm load at the far end up to 200 ohms

2) Let say for the sake of argument that we have a 600ohm open wire feed line and it is exactly 1/4 wave long or a multiple there of ......this is by the way the worst case

3) Using the 1/4 wave line impedance transformation equation Zin=(Zo x Zo) / Zload..gives an impedance of (600 x 600) /200 = 1800 ohms at the other end

4) Now the 4:1 balun at the transmitter end of the line steps the 1800 ohms down to 450 ohms presenting the TL922 with a 9:1 mismatch which high power amps REALLY DO NOT LIKE resulting in all kinds of "interesting and exciting" behaviors

5) Depending on the actual line length other interesting impedance's result as we move around the smith chart until we get magically to lines which are EXACTLY 1/2 wave or a multiple there off. In that rare case the 200 ohm impedance at the load arrives at the transmitter end as exactly 200 ohms. and is 4:1 stepped back down to 50 ohms. Having a rubber feed line that is always EXACTLY a 1/2 wave long at all frequencies is not practical and that is in one perspective what antenna tuners do .

6) In case you missed it in the original post using antenna tuners is NOT an option in this case but it would likely solve the mismatch impedance transformation problem. . If your into using antenna tuners then the impedance mismatch as a result of the open wire line mismatch could be solved. Unlike baluns 2kw antenna tuners are significantly more expensive than 200W tuners. Also depending on the configuration and the impedance mismatch the losses in the tuner can be significant, certainly more than a few tenths of a db lost in a well designed balun.

Dave
NR1DX

On 12/12/2011 8:13 PM, MIKE DURKIN wrote:
> Well, im not sure what your trying to accomplish ... more signal to the world? Are you down in a gully?
>

> If your a cloud burner right now and the long run is to get up a hill for better propergation ... what's your priorities at ... keep hro or buy the parts to get better propagation with 100w and later get balun's for the QRO level output. (id keep the amp ... I have a HL2K)
>
> My point is forget the high power balun and get it working- QRO can come later.
>
> What's better 3Kwpropergation into a antenna or 50wthe into
>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> From: nr1dx@... <mailto:nr1dx%40arrl.net>
> Date: Mon, 12 Dec 2011 19:56:24 -0600
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Bought it over 25 years ago ...don't remember, I am working on the 2nd
>
> set of 3-500's though ..Kind of like my 1996 ford explorer that has
>
> 210,000 miles on it ..had it so long cant remember what I paid for it ...
>
>
>
> What is your point?
>
>
>

> On 12/12/2011 7:21 PM, MIKE DURKIN wrote:
>
>> And the QRO amp cost?
>> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>> From: nr1dx@... <mailto:nr1dx%40arrl.net>
>> Date: Mon, 12 Dec 2011 17:31:36 -0600
>> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500
>> ft with the two transformer is $545 ($300 of which is for the baluns)!!!
>> Don't get me wrong I love DXE and have bought from them on occasion in
>> the past and I am a satisfied customer...but the cost of the two baluns
>> at $150 each is more than my Scottish ancestry gene pool can wrap it's
>> mind around.
>> One troubling thing about the DXE system is they quote .7db total loss
>> for the two baluns plus 500' of line but dont say at what frequency.
>> They quote the ARRL handbook as the source of the loss figure which
>> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL
>> handbook would gives .8db for 500' of window line. if I add another .2
>> db per balun I am now up to 1.2db total loss at 30 MHz (still good
>> compared to coax at that length). Now I am the first person to argue who
>> cares about .5dB, but the lack of full disclosure on DXE's part in their
>> very detailed 5 page PDF document about the system seems just a bit
>> disingenuous.
>> To answer one of my other questions though they do state that their 450
>> OHM Window line is really 400 OHM nominal impedance
>> I have an email into them for clarification on the loss figures
>> Dave
>> NR1DX
>> On 12/12/2011 3:08 PM, Ken wrote:
>>> FWIW, DX Engineering sells a setup exactly like that, two baluns and
>>> as much ladder line as you would like. You might check into their
>>> design for more information.
>>> Ken WA8JXM
>>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
>>>> Earlier I posted on the group asking for experience with very long (a
>>>> 100' is nothing) open wire feed lines sighting a faintly remember
>>>> article in 73 (which I never did find) that used 4 wires instead of 2
>>>> and how you match that to 50 ohms on each end
>>>> To date these are the requirements and what I have gleaned so far and a
>>>> plan is slowly forming
>>>> 1) This will be the main feed line for all antennas from 160M -10M
>>>> 2) The antenna farm is about 500' away from the shack
>>>> 3) The ability to match to 50 ohm line on both ends is a necessity.
>>>> Tower and beam on on end, typical transceiver on the other
>>>> 4) Antenna tuners are not an option for many reasons so the system must
>>>> be broad band and very low loss
>>>> Here are some of the things I have discovered so far
>>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
>>>> not terribly expensive, losses of less than .25 db at 30 MHz are not
>>>> unrealistic to expect.

>>>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
>>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
>>>> frequency range are hard to build with most designs covering 1.8 to 14
>>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun
>>> designs
>>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
>>>> possible solution but at a higher insertion loss, and broad band
>>>> performance appears to be tricky
>>>> 3) I now suspect the earlier article which used 4 wires which were
>>>> chosen to lower the feed line impedance to 200 ohms for an easier broad
>>>> band match using 4:1 baluns which are easier to construct and are
>>>> better behaved over the frequency range than the 16:1 baluns
>>>> Next thought exercise
>>>> 1) construct a 4 wire 200hm line. This requires spacing on the order of
>>>> 1.75" using #12. probably needs lots of spacers to be well behaved.
>>>> 2) Another possibility is to use two 450 ohm ladder lines spaced
>>>> comfortably apart and connected in parallel (effectively giving 225
>>>> ohms . I am told that the #14 version of the 450ohm line is actually
>>>> closer to 400ohms ...can anyone verify this ?
>>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>>>> More thoughts? Suggestions?
>>>> Dave
>>>> NR1DX
>
>

--
Dave& Lynn Henderson
Manuals@... <mailto:Manuals%40ArtekMedia.com>
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21241. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 05:44:44 UTC
From: Artekmedia
Topic: 21211 Message: 21241

Mike

I'm not sure I follow that? expand your comment

Dave

On 12/12/2011 11:23 PM, MIKE DURKIN wrote:
> Ok, im eventually going to be doing the same thing .... cept slightly over 1000'.
>
> Im not sure of cost ... but why not use power splitters .. and simpler 1:9 transformers
...
>
> Like 4 250w SS PA's ... without the transistors.
>
> It will handle the power and broadband ...
>
> To: ham-antennas@yahoogroups.com
> From: nr1dx@...
> Date: Mon, 12 Dec 2011 22:47:26 -0600
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Point is..... the optimum location for the antenna farm is 500' from
>

> the shack .... looking for the most cost effective solution to get a
>
> feed line out there that is not effectively a 500' long cantenna . wire
>
> line looks like the best solution from a loss perspective but the
>
> impedance sucks when it comes to matching the tribander at the far end
>
> and the TL922 on this end....ergo matching transformers at each end ...
>
> need broadband transformers for 160 through 10 I work all of them
>
> equally. If I could afford it I would run 2" hard line out there and be
>
> done with it.
>
>
>
> The issue is not about power, the cost of winding a 2KW balun is only
>
> pennies more than a 200w balun so that is not the quandry. The issue
>
> with the baluns is a truly broad band solution. Everything I have read
>
> so far says it is much easier to wind a 4:1 balun that is flat from 1Mhz
>
> to 50 MHz than it is to wind a 16:1 balun that is flat over the same range.
>
>
>
> Another poster suggested forget about trying to match the 50 ohm line to
>
> to the open wire exactly and just use the 4:1 balun at each end and
>
> take the mismatch to the 600ohm line presumably from the perspective
>
> that any mismatch on a open wire line is of no consequence from a loss
>
> perspective . Now I have never seen anyone actually report on how well
>
> that worked out but lets do the math .
>
>
>
> 1) 4:1 balun steps the 50 ohm load at the far end up to 200 ohms
>
>
>
> 2) Let say for the sake of argument that we have a 600ohm open wire feed
>

> line and it is exactly 1/4 wave long or a multiple there of ......this
>
> is by the way the worst case
>
>
>
> 3) Using the 1/4 wave line impedance transformation equation Zin=(Zo x
>
> Zo) / Zload..gives an impedance of (600 x 600) /200 = 1800 ohms at the
>
> other end
>
>
>
> 4) Now the 4:1 balun at the transmitter end of the line steps the 1800
>
> ohms down to 450 ohms presenting the TL922 with a 9:1 mismatch which
>
> high power amps REALLY DO NOT LIKE resulting in all kinds of
>
> "interesting and exciting" behaviors
>
>
>
> 5) Depending on the actual line length other interesting impedance's
>
> result as we move around the smith chart until we get magically to lines
>
> which are EXACTLY 1/2 wave or a multiple there off. In that rare case
>
> the 200 ohm impedance at the load arrives at the transmitter end as
>
> exactly 200 ohms. and is 4:1 stepped back down to 50 ohms. Having a
>
> rubber feed line that is always EXACTLY a 1/2 wave long at all
>
> frequencies is not practical and that is in one perspective what
>
> antenna tuners do .
>
>
>
> 6) In case you missed it in the original post using antenna tuners is
>
> NOT an option in this case but it would likely solve the mismatch
>
> impedance transformation problem. . If your into using antenna tuners
>
> then the impedance mismatch as a result of the open wire line mismatch
>

> could be solved. Unlike baluns 2kw antenna tuners are significantly more
>
> expensive than 200W tuners. Also depending on the configuration and the
>
> impedance mismatch the losses in the tuner can be significant,
>
> certainly more than a few tenths of a db lost in a well designed balun.
>
>
>
> Dave
>
> NR1DX
>
>
>
> On 12/12/2011 8:13 PM, MIKE DURKIN wrote:
>
>> Well, im not sure what your trying to accomplish ... more signal to the world? Are you down in a gully?
>> If your a cloud burner right now and the long run is to get up a hill for better propergation ... what's your priorities at ... keep hro or buy the parts to get better propagation with 100w and later get balun's for the QRO level output. (id keep the amp ... I have a HL2K)
>> My point is forget the high power balun and get it working- QRO can come later.
>> What's better 3Kwpropergation into a antenna or 50wthe into
>> To: ham-antennas@yahoogroups.com
>> From: nr1dx@...
>> Date: Mon, 12 Dec 2011 19:56:24 -0600
>> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>> Bought it over 25 years ago ...don't remember, I am working on the 2nd
>> set of 3-500's though ..Kind of like my 1996 ford explorer that has
>> 210,000 miles on it ..had it so long cant remember what I paid for it ...
>> What is your point?
>> On 12/12/2011 7:21 PM, MIKE DURKIN wrote:
>>> And the QRO amp cost?
>>> To: ham-antennas@yahoogroups.com
>>> From: nr1dx@...
>>> Date: Mon, 12 Dec 2011 17:31:36 -0600
>>> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>>> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500
>>> ft with the two transformer is $545 ($300 of which is for the baluns)!!!
>>> Don't get me wrong I love DXE and have bought from them on occasion in
>>> the past and I am a satisfied customer...but the cost of the two baluns
>>> at $150 each is more than my Scottish ancestry gene pool can wrap it's
>>> mind around.
>>> One troubling thing about the DXE system is they quote .7db total loss
>>> for the two baluns plus 500' of line but dont say at what frequency.
>>> They quote the ARRL handbook as the source of the loss figure which
>>> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL

>>> handbook would gives .8db for 500' of window line. if I add another .2
>>> db per balun I am now up to 1.2db total loss at 30 MHz (still good
>>> compared to coax at that length). Now I am the first person to argue who
>>> cares about .5dB, but the lack of full disclosure on DXE's part in their
>>> very detailed 5 page PDF document about the system seems just a bit
>>> disingenuous.
>>> To answer one of my other questions though they do state that their 450
>>> OHM Window line is really 400 OHM nominal impedance
>>> I have an email into them for clarification on the loss figures
>>> Dave
>>> NR1DX
>>> On 12/12/2011 3:08 PM, Ken wrote:
>>>> FWIW, DX Engineering sells a setup exactly like that, two baluns and
>>>> as much ladder line as you would like. You might check into their
>>>> design for more information.
>>>> Ken WA8JXM
>>>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
>>>>> Earlier I posted on the group asking for experience with very long (a
>>>>> 100' is nothing) open wire feed lines sighting a faintly remember
>>>>> article in 73 (which I never did find) that used 4 wires instead of 2
>>>>> and how you match that to 50 ohms on each end
>>>>> To date these are the requirements and what I have gleaned so far and a
>>>>> plan is slowly forming
>>>>> 1) This will be the main feed line for all antennas from 160M -10M
>>>>> 2) The antenna farm is about 500' away from the shack
>>>>> 3) The ability to match to 50 ohm line on both ends is a necessity.
>>>>> Tower and beam on on end, typical transceiver on the other
>>>>> 4) Antenna tuners are not an option for many reasons so the system must
>>>>> be broad band and very low loss
>>>>> Here are some of the things I have discovered so far
>>>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
>>>>> not terribly expensive, losses of less than .25 db at 30 MHz are not
>>>>> unrealistic to expect.
>>>>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
>>>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
>>>>> frequency range are hard to build with most designs covering 1.8 to 14
>>>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun
>>>> designs
>>>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
>>>>> possible solution but at a higher insertion loss, and broad band
>>>>> performance appears to be tricky
>>>>> 3) I now suspect the earlier article which used 4 wires which were
>>>>> chosen to lower the feed line impedance to 200 ohms for an easier broad
>>>>> band match using 4:1 baluns which are easier to construct and are
>>>>> better behaved over the frequency range than the 16:1 baluns
>>>>> Next thought exercise
>>>>> 1) construct a 4 wire 200hm line. This requires spacing on the order of
>>>>> 1.75" using #12. probably needs lots of spacers to be well behaved.
>>>>> 2) Another possibility is to use two 450 ohm ladder lines spaced
>>>>> comfortably apart and connected in parallel (effectively giving 225

>>>>> ohms . I am told that the #14 version of the 450ohm line is actually
>>>>> closer to 400ohms ...can anyone verify this ?
>>>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>>>>> More thoughts? Suggestions?
>>>>> Dave
>>>>> NR1DX
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

21242. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 05:45:04 UTC
From: Artekmedia
Topic: 21211 Message: 21242

Tom

Thanks !!! Exactly what I was looking for so by the time you get to 10 meters the loss is maybe 2 to 2.5 db?

Dave

NR1DX

On 12/12/2011 11:26 PM, Tom Mitchell VE7TOM wrote:
> I do this with about 450 feet of feed line and have about 1.2 to 1.4 DB loss on 20 meters from the coax in the back of the transceiver through the amp to the output of the remote antenna switch box. I have measured two different ways - Bird watt meter and dummy load and antenna analyzer. They agree with each other.
>
> I am using about 20 feet of coax from inside the house to a DXE 5KW balun to 450 ohm ribbon line. Then run 450 feet up the hill using electric fence 6 or 8 inch insulators on tops of garden posts and trees trucks. At the top end I have a relay box to switch the 450 ohm ribbon line to several other 450 ohm antennas as well as another DXE balun to get back to 50 ohms. That balun goes to a remote coaxial antenna switch for my 50 ohm antennas.
>
> Works well. There are several sizes of wire used in 450 ohm ribbon wire. If QRO then get the bigger wire size. Helps lower resistive losses somewhat but also more copper so stronger in a wind storm.
>
> Twist the ribbon wire every few feet. The goal is to cancel out any E field such as other noise sources the ribbon experiences. In theory it may work but the ribbon is probably not that well balanced anyways due to routing nearby other objects and ground and tree proximity.
>
> No RF in the shack and the antennas are high on a hill with a 270 degree clear view. No household electrical noise picked up by the antennas either.
> However, my wife keeps turning on an electric fencer on the horse paddock near the antenna site and that tests the noise blankers in the radios.
> Fortunately, the fencer has an off switch for important contests and rare Dx.

>
> Tom VE7TOM
>
>
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] On
> Behalf Of Artekmedia
> Sent: Monday, December 12, 2011 8:47 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
> Point is..... the optimum location for the antenna farm is 500' from
> the shack .... looking for the most cost effective solution to get a
> feed line out there that is not effectively a 500' long cantenna . wire
> line looks like the best solution from a loss perspective but the
> impedance sucks when it comes to matching the tribander at the far end
> and the TL922 on this end....ergo matching transformers at each end ...
> need broadband transformers for 160 through 10 I work all of them
> equally. If I could afford it I would run 2" hard line out there and be
> done with it.
>
> The issue is not about power, the cost of winding a 2KW balun is only
> pennies more than a 200w balun so that is not the quandry. The issue
> with the baluns is a truly broad band solution. Everything I have read
> so far says it is much easier to wind a 4:1 balun that is flat from 1Mhz
> to 50 MHz than it is to wind a 16:1 balun that is flat over the same
> range.
>
> Another poster suggested forget about trying to match the 50 ohm line to
> to the open wire exactly and just use the 4:1 balun at each end and
> take the mismatch to the 600ohm line presumably from the perspective
> that any mismatch on a open wire line is of no consequence from a loss
> perspective . Now I have never seen anyone actually report on how well
> that worked out but lets do the math .
>
> 1) 4:1 balun steps the 50 ohm load at the far end up to 200 ohms
>
> 2) Let say for the sake of argument that we have a 600ohm open wire feed
> line and it is exactly 1/4 wave long or a multiple there of ......this
> is by the way the worst case
>
> 3) Using the 1/4 wave line impedance transformation equation Zin=(Zo x
> Zo) / Zload..gives an impedance of (600 x 600) /200 = 1800 ohms at the
> other end
>
> 4) Now the 4:1 balun at the transmitter end of the line steps the 1800
> ohms down to 450 ohms presenting the TL922 with a 9:1 mismatch which

> high power amps REALLY DO NOT LIKE resulting in all kinds of
> "interesting and exciting" behaviors
>
> 5) Depending on the actual line length other interesting impedance's
> result as we move around the smith chart until we get magically to lines
> which are EXACTLY 1/2 wave or a multiple there off. In that rare case
> the 200 ohm impedance at the load arrives at the transmitter end as
> exactly 200 ohms. and is 4:1 stepped back down to 50 ohms. Having a
> rubber feed line that is always EXACTLY a 1/2 wave long at all
> frequencies is not practical and that is in one perspective what
> antenna tuners do .
>
> 6) In case you missed it in the original post using antenna tuners is
> NOT an option in this case but it would likely solve the mismatch
> impedance transformation problem. . If your into using antenna tuners
> then the impedance mismatch as a result of the open wire line mismatch
> could be solved. Unlike baluns 2kw antenna tuners are significantly more
> expensive than 200W tuners. Also depending on the configuration and the
> impedance mismatch the losses in the tuner can be significant,
> certainly more than a few tenths of a db lost in a well designed balun.
>
> Dave
> NR1DX
>
> On 12/12/2011 8:13 PM, MIKE DURKIN wrote:
> > Well, im not sure what your trying to accomplish ... more signal to the
> world? Are you down in a gully?
> >
> > If your a cloud burner right now and the long run is to get up a
> hill for
> better propergation ... what's your priorities at ... keep hro or buy the
> parts to get better propagation with 100w and later get balun's for
> the QRO
> level output. (id keep the amp ... I have a HL2K)
> >
> > My point is forget the high power balun and get it working- QRO can come
> later.
> >
> > What's better 3Kwpropergation into a antenna or 50wthe into
> >
> > To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > From: nr1dx@... <mailto:nr1dx%40arrl.net>
> <mailto:nr1dx%40arrl.net>
> > Date: Mon, 12 Dec 2011 19:56:24 -0600
> > Subject: Re: [ham-antennas] 500' feed lines , Part 2
> >
> >
> >

> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > Bought it over 25 years ago ...don't remember, I am working on the 2nd
> >
> > set of 3-500's though ..Kind of like my 1996 ford explorer that has
> >
> > 210,000 miles on it ..had it so long cant remember what I paid for
> it ...
> >
> >
> >
> > What is your point?
> >
> >
> >
> > On 12/12/2011 7:21 PM, MIKE DURKIN wrote:
> >
> >> And the QRO amp cost?
> >> To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> >> From: nr1dx@... <mailto:nr1dx%40arrl.net>
> <mailto:nr1dx%40arrl.net>
> >> Date: Mon, 12 Dec 2011 17:31:36 -0600
> >> Subject: Re: [ham-antennas] 500' feed lines , Part 2
> >> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500
> >> ft with the two transformer is $545 ($300 of which is for the
> baluns)!!!
> >> Don't get me wrong I love DXE and have bought from them on occasion in
> >> the past and I am a satisfied customer...but the cost of the two baluns
> >> at $150 each is more than my Scottish ancestry gene pool can wrap it's

> >> mind around.
> >> One troubling thing about the DXE system is they quote .7db total loss
> >> for the two baluns plus 500' of line but dont say at what frequency.
> >> They quote the ARRL handbook as the source of the loss figure which
> >> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL
> >> handbook would gives .8db for 500' of window line. if I add another .2
> >> db per balun I am now up to 1.2db total loss at 30 MHz (still good
> >> compared to coax at that length). Now I am the first person to
> argue who
> >> cares about .5dB, but the lack of full disclosure on DXE's part in
> their
> >> very detailed 5 page PDF document about the system seems just a bit
> >> disingenuous.
> >> To answer one of my other questions though they do state that their 450
> >> OHM Window line is really 400 OHM nominal impedance
> >> I have an email into them for clarification on the loss figures
> >> Dave
> >> NR1DX
> >> On 12/12/2011 3:08 PM, Ken wrote:
> >>> FWIW, DX Engineering sells a setup exactly like that, two baluns and
> >>> as much ladder line as you would like. You might check into their
> >>> design for more information.
> >>> Ken WA8JXM
> >>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
> >>>> Earlier I posted on the group asking for experience with very
> long (a
> >>>> 100' is nothing) open wire feed lines sighting a faintly remember
> >>>> article in 73 (which I never did find) that used 4 wires instead
> of 2
> >>>> and how you match that to 50 ohms on each end
> >>>> To date these are the requirements and what I have gleaned so far
> and a
> >>>> plan is slowly forming
> >>>> 1) This will be the main feed line for all antennas from 160M -10M
> >>>> 2) The antenna farm is about 500' away from the shack
> >>>> 3) The ability to match to 50 ohm line on both ends is a necessity.
> >>>> Tower and beam on on end, typical transceiver on the other
> >>>> 4) Antenna tuners are not an option for many reasons so the
> system must
> >>>> be broad band and very low loss
> >>>> Here are some of the things I have discovered so far
> >>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
> >>>> not terribly expensive, losses of less than .25 db at 30 MHz are not
> >>>> unrealistic to expect.
> >>>> 2) The 600 ohm line would require a 16:1 balun to convert it to
> 50 ohms
> >>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
> >>>> frequency range are hard to build with most designs covering 1.8
> to 14
> >>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun

> >>> designs
> >>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> >>>> possible solution but at a higher insertion loss, and broad band
> >>>> performance appears to be tricky
> >>>> 3) I now suspect the earlier article which used 4 wires which were
> >>>> chosen to lower the feed line impedance to 200 ohms for an easier
> broad
> >>>> band match using 4:1 baluns which are easier to construct and are
> >>>> better behaved over the frequency range than the 16:1 baluns
> >>>> Next thought exercise
> >>>> 1) construct a 4 wire 200hm line. This requires spacing on the
> order of
> >>>> 1.75" using #12. probably needs lots of spacers to be well behaved.
> >>>> 2) Another possibility is to use two 450 ohm ladder lines spaced
> >>>> comfortably apart and connected in parallel (effectively giving 225
> >>>> ohms . I am told that the #14 version of the 450ohm line is actually
> >>>> closer to 400ohms ...can anyone verify this ?
> >>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
> >>>> More thoughts? Suggestions?
> >>>> Dave
> >>>> NR1DX
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>
> <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21243. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 06:11:58 UTC
From: MIKE DURKIN
Topic: 21211 Message: 21243

Ill start off with saying it sucks being limited to character count - but im using a DROIDX and cell for internet.
I would think that 4 runs of 450 open would have less loss than one with thick wire to handle the power.

I was thinking that using a QRO rated power spliter then 2 more of less rated power ... then step up with 4 1:9 balun/transformer - one for each run.

To: ham-antennas@yahoogroups.com
From: nr1dx@...
Date: Mon, 12 Dec 2011 23:44:44 -0600
Subject: Re: [ham-antennas] 500' feed lines , Part 2

Mike

I'm not sure I follow that? expand your comment

Dave

On 12/12/2011 11:23 PM, MIKE DURKIN wrote:

> Ok, im eventually going to be doing the same thing .... cept slightly over 1000'.

>

> Im not sure of cost ... but why not use power splitters .. and simpler 1:9 transformers ...

>

> Like 4 250w SS PA's ... without the transistors.

>

> It will handle the power and broadband ...

>

> To: ham-antennas@yahoogroups.com

> From: nr1dx@...

> Date: Mon, 12 Dec 2011 22:47:26 -0600

> Subject: Re: [ham-antennas] 500' feed lines , Part 2

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> Point is..... the optimum location for the antenna farm is 500' from

>

> the shack .... looking for the most cost effective solution to get a

>

> feed line out there that is not effectively a 500' long cantenna . wire

>

> line looks like the best solution from a loss perspective but the

>

> impedance sucks when it comes to matching the tribander at the far end

>

> and the TL922 on this end....ergo matching transformers at each end ...

>

> need broadband transformers for 160 through 10 I work all of them

>

> equally. If I could afford it I would run 2" hard line out there and be

>

> done with it.

>

>

>

> The issue is not about power, the cost of winding a 2KW balun is only

>

> pennies more than a 200w balun so that is not the quandry. The issue

>

> with the baluns is a truly broad band solution. Everything I have read

>

> so far says it is much easier to wind a 4:1 balun that is flat from 1Mhz

>

> to 50 MHz than it is to wind a 16:1 balun that is flat over the same range.

>

>

>

> Another poster suggested forget about trying to match the 50 ohm line to

>

> to the open wire exactly and just use the 4:1 balun at each end and

>

> take the mismatch to the 600ohm line presumably from the perspective

>

> that any mismatch on a open wire line is of no consequence from a loss

>

> perspective . Now I have never seen anyone actually report on how well

>

> that worked out but lets do the math .

>

>

>

> 1) 4:1 balun steps the 50 ohm load at the far end up to 200 ohms

>

>

>

> 2) Let say for the sake of argument that we have a 600ohm open wire feed

>

> line and it is exactly 1/4 wave long or a multiple there of ......this

>

> is by the way the worst case

>

>

>

> 3) Using the 1/4 wave line impedance transformation equation Zin=(Zo x

>

> Zo) / Zload..gives an impedance of (600 x 600) /200 = 1800 ohms at the

>

> other end

>

>

>

> 4) Now the 4:1 balun at the transmitter end of the line steps the 1800

>

> ohms down to 450 ohms presenting the TL922 with a 9:1 mismatch which

>

> high power amps REALLY DO NOT LIKE resulting in all kinds of

>

> "interesting and exciting" behaviors

>

>

>

> 5) Depending on the actual line length other interesting impedance's

>

> result as we move around the smith chart until we get magically to lines

>

> which are EXACTLY 1/2 wave or a multiple there off. In that rare case

>

> the 200 ohm impedance at the load arrives at the transmitter end as

>

> exactly 200 ohms. and is 4:1 stepped back down to 50 ohms. Having a

>

> rubber feed line that is always EXACTLY a 1/2 wave long at all

>

> frequencies is not practical and that is in one perspective what

>

> antenna tuners do .

>

>

>

> 6) In case you missed it in the original post using antenna tuners is

>

> NOT an option in this case but it would likely solve the mismatch

>

> impedance transformation problem. . If your into using antenna tuners

>

> then the impedance mismatch as a result of the open wire line mismatch

>

> could be solved. Unlike baluns 2kw antenna tuners are significantly more

>

> expensive than 200W tuners. Also depending on the configuration and the

>

> impedance mismatch the losses in the tuner can be significant,

>

> certainly more than a few tenths of a db lost in a well designed balun.

>

>

>

> Dave

>

> NR1DX

>

>

>

> On 12/12/2011 8:13 PM, MIKE DURKIN wrote:

>

>> Well, im not sure what your trying to accomplish ... more signal to the world? Are you down in a gully?

>> If your a cloud burner right now and the long run is to get up a hill for better propergation ... what's your priorities at ... keep hro or buy the parts to get better propagation with 100w and later get balun's for the QRO level output. (id keep the amp ...

I have a HL2K)

>> My point is forget the high power balun and get it working- QRO can come later.

>> What's better 3Kwpropergation into a antenna or 50wthe into

>> To: ham-antennas@yahoogroups.com

>> From: nr1dx@...

>> Date: Mon, 12 Dec 2011 19:56:24 -0600

>> Subject: Re: [ham-antennas] 500' feed lines , Part 2

>> Bought it over 25 years ago ...don't remember, I am working on the 2nd

>> set of 3-500's though ..Kind of like my 1996 ford explorer that has

>> 210,000 miles on it ..had it so long cant remember what I paid for it ...

>> What is your point?

>> On 12/12/2011 7:21 PM, MIKE DURKIN wrote:

>>> And the QRO amp cost?

>>> To: ham-antennas@yahoogroups.com

>>> From: nr1dx@...

>>> Date: Mon, 12 Dec 2011 17:31:36 -0600

>>> Subject: Re: [ham-antennas] 500' feed lines , Part 2

>>> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500

>>> ft with the two transformer is $545 ($300 of which is for the baluns)!!!

>>> Don't get me wrong I love DXE and have bought from them on occasion in

>>> the past and I am a satisfied customer...but the cost of the two baluns

>>> at $150 each is more than my Scottish ancestry gene pool can wrap it's

>>> mind around.

>>> One troubling thing about the DXE system is they quote .7db total loss

>>> for the two baluns plus 500' of line but dont say at what frequency.

>>> They quote the ARRL handbook as the source of the loss figure which

>>> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL

>>> handbook would gives .8db for 500' of window line. if I add another .2

>>> db per balun I am now up to 1.2db total loss at 30 MHz (still good

>>> compared to coax at that length). Now I am the first person to argue who

>>> cares about .5dB, but the lack of full disclosure on DXE's part in their

>>> very detailed 5 page PDF document about the system seems just a bit

>>> disingenuous.

>>> To answer one of my other questions though they do state that their 450

>>> OHM Window line is really 400 OHM nominal impedance

>>> I have an email into them for clarification on the loss figures

>>> Dave

>>> NR1DX

>>> On 12/12/2011 3:08 PM, Ken wrote:

>>>> FWIW, DX Engineering sells a setup exactly like that, two baluns and

>>>> as much ladder line as you would like. You might check into their

>>>> design for more information.

>>>> Ken WA8JXM

>>>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:

>>>>> Earlier I posted on the group asking for experience with very long (a

>>>>> 100' is nothing) open wire feed lines sighting a faintly remember

>>>>> article in 73 (which I never did find) that used 4 wires instead of 2

>>>>> and how you match that to 50 ohms on each end

>>>>> To date these are the requirements and what I have gleaned so far and a

>>>>> plan is slowly forming

>>>>> 1) This will be the main feed line for all antennas from 160M -10M

>>>>> 2) The antenna farm is about 500' away from the shack

>>>>> 3) The ability to match to 50 ohm line on both ends is a necessity.

>>>>> Tower and beam on on end, typical transceiver on the other

>>>>> 4) Antenna tuners are not an option for many reasons so the system must

>>>>> be broad band and very low loss

>>>>> Here are some of the things I have discovered so far

>>>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and

>>>>> not terribly expensive, losses of less than .25 db at 30 MHz are not

>>>>> unrealistic to expect.

>>>>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms

>>>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire

>>>>> frequency range are hard to build with most designs covering 1.8 to 14

>>>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun

>>>> designs

>>>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one

>>>>> possible solution but at a higher insertion loss, and broad band

>>>>> performance appears to be tricky

>>>>> 3) I now suspect the earlier article which used 4 wires which were

>>>>> chosen to lower the feed line impedance to 200 ohms for an easier broad

>>>>> band match using 4:1 baluns which are easier to construct and are

>>>>> better behaved over the frequency range than the 16:1 baluns

>>>>> Next thought exercise

>>>>> 1) construct a 4 wire 200hm line. This requires spacing on the order of

>>>>> 1.75" using #12. probably needs lots of spacers to be well behaved.

>>>>> 2) Another possibility is to use two 450 ohm ladder lines spaced

>>>>> comfortably apart and connected in parallel (effectively giving 225

>>>>> ohms . I am told that the #14 version of the 450ohm line is actually

>>>>> closer to 400ohms ...can anyone verify this ?

>>>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?

>>>>> More thoughts? Suggestions?

>>>>> Dave

>>>>> NR1DX

>

>

--

Dave& Lynn Henderson

Manuals@...

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

21244. Re: [ham-antennas] Flagpole antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 09:11:54 UTC
From: doug pfaff
Topic: 20685 Message: 21244

Hi Gloria use a HF flagpole design from the ARRL Antenna Compendium or try Ham Antenna Books from your local library.

Doug ve5dcp

Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: GLORIA W
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 19, 2011 6:34 AM
Subject: [ham-antennas] Flagpole antennas

I live in a deed restricted community but we are allowed to have flag poles. I need ideas. Thank you

Gloria KK4DXM

[Non-text portions of this message have been removed]

21245. Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 13:03:16 UTC
From: Bill Canepa
Topic: 21234 Message: 21245

My first antenna was a 14avq from Higain its a vertical for 10 thur 40 meters, works well on roof or ground. Allso a G5RV is a good start at very little cost if you have some trees to hang it.

From: kj6ddf <kj6ddf@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, December 12, 2011 11:06 PM
Subject: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna

[Non-text portions of this message have been removed]

21246. Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 14:04:40 UTC
From: Ron Youvan
Topic: 21234 Message: 21246

Stephen KJ6DDF Bennett wrote:

> I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna

If you have 70 feet between two high supports (or more), use enough RG-6 or RG-59 to get to 3
insulators and 64 feet of electrical wire (AWG 14 THHN or similar) to build a 40 meter dipole. Use
a pulley at one end and weight at knee level (1/2 of a concrete block would do), use some "Dacron"
cord 3/16" or a bit thicker. Don't cut the ends fold the excess (4-6') back.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21247. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 14:13:40 UTC
From: Artekmedia
Topic: 21211 Message: 21247

Mike

OK now I understand your perspective

For the sake of argument lets say that our choices are either
1) 450 ohm line made from #18 solid wire for low power and assume a loss
at 30 MHz of .15db/100ft (ARRL Antenna book)
2) 450 ohm line using #14 stranded for high power. and assume a loss of
.12 dB/100ft (I am still trying to find the actual numbers for this stuff)
3) True open wire from made from #12
3) In both cases we will use your example of 1000' run
4) I will assume .1db of loss for each splitter and .2db loss for the
1:9 matching transformer

Example #1: Two #18 lines in parallel
1) The line loss is cut in half or .075dB/100' for a total of .75db for
the 1000' run
2) 2 power splitters loss .2db
3) 2 impedance matching losses of .4db total
4) total system loss of 1.35 db
5) Line cost @ $.297/ft = 2000 x.297 = $564
6) Assume we are winding our own splitters and baluns at $10 each four
of them = $40
7) Total system cost $604

Example #2: four #18 lines in parallel
1) The line loss is cut in half or .0375dB/100' for a total of .375db
for the 1000' run
2) power splitters losses .4db (splitter in series with splitter on
each end)
3) 2 impedance matching losses of .4db total
4) total system loss of 1.175 db
5) Line cost @ $.297/ft = 4000 x.297 = $1188
6) Assume we are winding our own splitters and baluns at $10 each 8 of
them = $80
7) Total system cost $1268 ....

Example #3 one #14 line
1) The Assumed line loss is .12dB/100' for a total of 1.2db for the
1000' run
2) no power splitters
3) 2 impedance matching losses of .4db total
4) total system loss of 1.6db
5) Line cost @ $.621/ft = 1000 x..621 = $621
6) Assume we are winding our own splitters and baluns at $10 each 2 of
them = $20

7) Total system cost $641

Example #4: true open wire line using number #12 wire
1) The Assumed line loss is .10 dB/100' for a total of 1db for the
1000' run
2) no power splitters
3) 2 impedance matching losses of .4db total
4) total system loss of 1.4db
5) Wire cost @ $.135/ft = 2000 x.135 = $270
6) Assume we are winding our own splitters and baluns at $10 each 2 of
them = $20
7) Total system cost $310
8) Ignores the cost of support poles and spreaders, very labor intensive
to install
9) Depending on the spreader investment "twisting: the line can be
problematic

Final Example #5 True open wire line using a 4 wire cage
1) The Assumed line loss is .05 dB/100' for a total of .5db for the
1000' run
2) no power splitters
3) 2 impedance matching losses of .4db total
4) total system loss of .9db
5) Wire cost @ $.135/ft = 4000 x.135 = $540
6) Assume we are winding our own splitters and baluns at $10 each 2 of
them = $20
7) Total system cost $310
8) Ignores the cost of support poles and spreaders, very labor intensive
to install
9) Because of the spreader geometry I perceive "twisting: the line to
be less of a problem

This compares to say something like LMR900 which has 3db Loss in 1000'
at 30 mhz for $7000
And LMR400 with a 7db loss at 30MHz/1000ft for $1000

Dave
NR1DX

On 12/13/2011 12:11 AM, MIKE DURKIN wrote:
> Ill start off with saying it sucks being limited to character count - but im using a
DROIDX and cell for internet.
> I would think that 4 runs of 450 open would have less loss than one with thick wire to
handle the power.
>
> I was thinking that using a QRO rated power spliter then 2 more of less rated power ...
then step up with 4 1:9 balun/transformer - one for each run.
>
> To: ham-antennas@yahoogroups.com
> From: nr1dx@...
> Date: Mon, 12 Dec 2011 23:44:44 -0600

> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Mike
>
>
>
> I'm not sure I follow that? expand your comment
>
>
>
> Dave
>
>
>
> On 12/12/2011 11:23 PM, MIKE DURKIN wrote:
>
>> Ok, im eventually going to be doing the same thing .... cept slightly over 1000'.
>> Im not sure of cost ... but why not use power splitters .. and simpler 1:9 transformers
...
>> Like 4 250w SS PA's ... without the transistors.
>> It will handle the power and broadband ...
>> To: ham-antennas@yahoogroups.com
>> From: nr1dx@...
>> Date: Mon, 12 Dec 2011 22:47:26 -0600
>> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>> Point is..... the optimum location for the antenna farm is 500' from
>> the shack .... looking for the most cost effective solution to get a

>> feed line out there that is not effectively a 500' long cantenna . wire
>> line looks like the best solution from a loss perspective but the
>> impedance sucks when it comes to matching the tribander at the far end
>> and the TL922 on this end....ergo matching transformers at each end ...
>> need broadband transformers for 160 through 10 I work all of them
>> equally. If I could afford it I would run 2" hard line out there and be
>> done with it.
>> The issue is not about power, the cost of winding a 2KW balun is only
>> pennies more than a 200w balun so that is not the quandry. The issue
>> with the baluns is a truly broad band solution. Everything I have read
>> so far says it is much easier to wind a 4:1 balun that is flat from 1Mhz
>> to 50 MHz than it is to wind a 16:1 balun that is flat over the same range.
>> Another poster suggested forget about trying to match the 50 ohm line to
>> to the open wire exactly and just use the 4:1 balun at each end and
>> take the mismatch to the 600ohm line presumably from the perspective
>> that any mismatch on a open wire line is of no consequence from a loss
>> perspective . Now I have never seen anyone actually report on how well
>> that worked out but lets do the math .
>> 1) 4:1 balun steps the 50 ohm load at the far end up to 200 ohms
>> 2) Let say for the sake of argument that we have a 600ohm open wire feed
>> line and it is exactly 1/4 wave long or a multiple there of ......this
>> is by the way the worst case
>> 3) Using the 1/4 wave line impedance transformation equation Zin=(Zo x
>> Zo) / Zload..gives an impedance of (600 x 600) /200 = 1800 ohms at the
>> other end
>> 4) Now the 4:1 balun at the transmitter end of the line steps the 1800
>> ohms down to 450 ohms presenting the TL922 with a 9:1 mismatch which
>> high power amps REALLY DO NOT LIKE resulting in all kinds of
>> "interesting and exciting" behaviors
>> 5) Depending on the actual line length other interesting impedance's
>> result as we move around the smith chart until we get magically to lines
>> which are EXACTLY 1/2 wave or a multiple there off. In that rare case
>> the 200 ohm impedance at the load arrives at the transmitter end as
>> exactly 200 ohms. and is 4:1 stepped back down to 50 ohms. Having a
>> rubber feed line that is always EXACTLY a 1/2 wave long at all
>> frequencies is not practical and that is in one perspective what
>> antenna tuners do .
>> 6) In case you missed it in the original post using antenna tuners is
>> NOT an option in this case but it would likely solve the mismatch
>> impedance transformation problem. . If your into using antenna tuners
>> then the impedance mismatch as a result of the open wire line mismatch
>> could be solved. Unlike baluns 2kw antenna tuners are significantly more
>> expensive than 200W tuners. Also depending on the configuration and the
>> impedance mismatch the losses in the tuner can be significant,
>> certainly more than a few tenths of a db lost in a well designed balun.
>> Dave
>> NR1DX
>> On 12/12/2011 8:13 PM, MIKE DURKIN wrote:
>>> Well, im not sure what your trying to accomplish ... more signal to the world? Are you
down in a gully?

>>> If your a cloud burner right now and the long run is to get up a hill for better propergation ... what's your priorities at ... keep hro or buy the parts to get better propagation with 100w and later get balun's for the QRO level output. (id keep the amp ... I have a HL2K)
>>> My point is forget the high power balun and get it working- QRO can come later.
>>> What's better 3Kwpropergation into a antenna or 50wthe into
>>> To: ham-antennas@yahoogroups.com
>>> From: nr1dx@...
>>> Date: Mon, 12 Dec 2011 19:56:24 -0600
>>> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>>> Bought it over 25 years ago ...don't remember, I am working on the 2nd
>>> set of 3-500's though ..Kind of like my 1996 ford explorer that has
>>> 210,000 miles on it ..had it so long cant remember what I paid for it ...
>>> What is your point?
>>> On 12/12/2011 7:21 PM, MIKE DURKIN wrote:
>>>> And the QRO amp cost?
>>>> To: ham-antennas@yahoogroups.com
>>>> From: nr1dx@...
>>>> Date: Mon, 12 Dec 2011 17:31:36 -0600
>>>> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>>>> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500
>>>> ft with the two transformer is $545 ($300 of which is for the baluns)!!!
>>>> Don't get me wrong I love DXE and have bought from them on occasion in
>>>> the past and I am a satisfied customer...but the cost of the two baluns
>>>> at $150 each is more than my Scottish ancestry gene pool can wrap it's
>>>> mind around.
>>>> One troubling thing about the DXE system is they quote .7db total loss
>>>> for the two baluns plus 500' of line but dont say at what frequency.
>>>> They quote the ARRL handbook as the source of the loss figure which
>>>> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL
>>>> handbook would gives .8db for 500' of window line. if I add another .2
>>>> db per balun I am now up to 1.2db total loss at 30 MHz (still good
>>>> compared to coax at that length). Now I am the first person to argue who
>>>> cares about .5dB, but the lack of full disclosure on DXE's part in their
>>>> very detailed 5 page PDF document about the system seems just a bit
>>>> disingenuous.
>>>> To answer one of my other questions though they do state that their 450
>>>> OHM Window line is really 400 OHM nominal impedance
>>>> I have an email into them for clarification on the loss figures
>>>> Dave
>>>> NR1DX
>>>> On 12/12/2011 3:08 PM, Ken wrote:
>>>>> FWIW, DX Engineering sells a setup exactly like that, two baluns and
>>>>> as much ladder line as you would like. You might check into their
>>>>> design for more information.
>>>>> Ken WA8JXM
>>>>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
>>>>>> Earlier I posted on the group asking for experience with very long (a
>>>>>> 100' is nothing) open wire feed lines sighting a faintly remember
>>>>>> article in 73 (which I never did find) that used 4 wires instead of 2

>>>>>> and how you match that to 50 ohms on each end
>>>>>> To date these are the requirements and what I have gleaned so far and a
>>>>>> plan is slowly forming
>>>>>> 1) This will be the main feed line for all antennas from 160M -10M
>>>>>> 2) The antenna farm is about 500' away from the shack
>>>>>> 3) The ability to match to 50 ohm line on both ends is a necessity.
>>>>>> Tower and beam on on end, typical transceiver on the other
>>>>>> 4) Antenna tuners are not an option for many reasons so the system must
>>>>>> be broad band and very low loss
>>>>>> Here are some of the things I have discovered so far
>>>>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
>>>>>> not terribly expensive, losses of less than .25 db at 30 MHz are not
>>>>>> unrealistic to expect.
>>>>>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
>>>>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
>>>>>> frequency range are hard to build with most designs covering 1.8 to 14
>>>>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun
>>>>> designs
>>>>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
>>>>>> possible solution but at a higher insertion loss, and broad band
>>>>>> performance appears to be tricky
>>>>>> 3) I now suspect the earlier article which used 4 wires which were
>>>>>> chosen to lower the feed line impedance to 200 ohms for an easier broad
>>>>>> band match using 4:1 baluns which are easier to construct and are
>>>>>> better behaved over the frequency range than the 16:1 baluns
>>>>>> Next thought exercise
>>>>>> 1) construct a 4 wire 200hm line. This requires spacing on the order of
>>>>>> 1.75" using #12. probably needs lots of spacers to be well behaved.
>>>>>> 2) Another possibility is to use two 450 ohm ladder lines spaced
>>>>>> comfortably apart and connected in parallel (effectively giving 225
>>>>>> ohms . I am told that the #14 version of the 450ohm line is actually
>>>>>> closer to 400ohms ...can anyone verify this ?
>>>>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>>>>>> More thoughts? Suggestions?
>>>>>> Dave
>>>>>> NR1DX
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

21248. RE: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 14:51:27 UTC
From: Richard Schmuke
Topic: 21234 Message: 21248

My first antenna was a 40M dipole, used it on 40 & 15. Bands were not open back then so I made a 80M loaded vertical, did not have room for 80 dipole. A year into ham radio I bought a Mosley vertical , 10 thru 40, it still works fine 30 years later. Mosley makes a fine product. They have always been a local product also.

Today I would look at dipoles on the higher bands 20, 15 and 10.

Rich, Kd0zz

Subject: Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Stephen KJ6DDF Bennett wrote:

> I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna

If you have 70 feet between two high supports (or more), use enough RG-6 or RG-59 to get to 3
insulators and 64 feet of electrical wire (AWG 14 THHN or similar) to build a 40 meter dipole. Use
a pulley at one end and weight at knee level (1/2 of a concrete block would do), use some "Dacron"
cord 3/16" or a bit thicker. Don't cut the ends fold the excess (4-6') back.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

21249. Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 15:17:29 UTC
From: Ken
Topic: 21234 Message: 21249

On Dec 13, 2011, at 9:51 AM, Richard Schmuke wrote:

> My first antenna was a 40M dipole, used it on 40 & 15. Bands were not open
> back then so I made a 80M loaded vertical, did not have room for 80 dipole.

If you have room for a 40m dipole, you have room for an 80m dipole, just bend the ends wherever there is room to put them.

Ken WA8JXM

21250. Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 15:24:07 UTC
From: Joseph Lankford II
Topic: 21234 Message: 21250

First HF antennas were 80M Inverted-V and Hygain 14AVQ mounted on the roof.

Both worked Great!

73, JJ DU1/KS4DK

[Non-text portions of this message have been removed]

21251. RE: [ham-antennas] Re: Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 15:54:44 UTC
From: jim burns
Topic: 21117 Message: 21251

You can get the SO-239 studs at Radio Shack or at any CB shop at the big truck stops on the interstate. I saw some really heavy duty units at Loves Truck Stop on I-75 a couple of weeks ago.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jm38401
Sent: Monday, December 12, 2011 9:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Open stub J-pole

Isn't it a standard 3/8" X 24 SO-239 stud? Appears to be. Do a google search on "so-239 stud" and look at the pictures at the top of the page.

73,

John
K4KQZ

> Ernie, I would sure like to know where you got the SO-239 stub fittings for the antenna you made,

[Non-text portions of this message have been removed]

21252. RE: [ham-antennas] Re: Open stub J-pole

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 16:00:22 UTC
From: jim burns
Topic: 21117 Message: 21252

The SO-239 adapter does have a 3/8 X 24 male stud that screws into a 3/8 X 24 female hex nut which is about one inch long and is long enough to leave threads to accept a 3/8 X 24 stud on the base of the antenna. A nylon washer is included to insulate the antenna side from the mount.

Jim, WB4ILP

_____

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Monday, December 12, 2011 10:26 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Open stub J-pole

I have the SO-239 and 3/8-24 adaptor also, the factory drawing looks like it has a male stud not a 3/8-24 female, I was looking for a SO-239 with a large male stud as a integral part.

SS steel wire would have a difference with a 80M antenna but remember almost all 3 to 4ft whips are 17-7 stainless steel

Rich , Kd0zz

Subject: [ham-antennas] Re: Open stub J-pole

I found mine at a truck stop and also have seen them at rad shack. I want to make another OSJ using 3/8" stainless steel tubing. Does anyone know if it would perform the same? Or is aluminum still the best choice?

Kent
kc7cnc

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
, "jm38401" <jdm110@...> wrote:
>
> Isn't it a standard 3/8" X 24 SO-239 stud? Appears to be. Do a google search on "so-239 stud" and look at the pictures at the top of the page.
>
> 73,
>
> John
> K4KQZ
>
>
> > Ernie, I would sure like to know where you got the SO-239 stub fittings

for the antenna you made,
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21253. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 16:38:48 UTC
From: Ron Youvan
Topic: 21211 Message: 21253

MIKE <call sign here> DURKIN wrote:

> Ok, I'm eventually going to be doing the same thing .... 'cept slightly over 1000'.

> I'm not sure of cost ... but why not use power splitters .. and simpler 1:9 transformers ...
>
> Like 4 250w SS PA's ... without the transistors.

> It will handle the power and broadband ...

I don't see the application of power splitters in this design, where do they come in?
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21254. Re: 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 16:41:26 UTC
From: mwallred
Topic: 21211 Message: 21254

Perhaps the article you were trying to remember/find was in the October 1980 issue of Ham Radio Magazine. It covers the subject, including 4 wire lines, in quite a bit of detail.

Marty
AG3EK

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Earlier I posted on the group asking for experience with very long (a
> 100' is nothing) open wire feed lines sighting a faintly remember
> article in 73 (which I never did find) that used 4 wires instead of 2
> and how you match that to 50 ohms on each end
>
> Dave
> NR1DX
>
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>

21255. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 16:50:31 UTC
From: Artekmedia
Topic: 21211 Message: 21255

Actually a very good point since all the lines should be the same
length essentially paralleling the 4 lines should work. The combined
impedance would be on the order of 100 ohms for 4 lines and then a 2:1
balun (4: 1 in the case of the 2 parallel lines) makes the case for
only having 2 lines more compelling even for high power. the added cost
of he two extra lines only buys you an extra .35db of signal

In another application I created a 25 ohm 1/4 wave stub by paralleling
two 1/4 wave sections of 50 ohm coax once

Dave
NR1DX

On 12/13/2011 10:38 AM, Ron Youvan wrote:
>
> MIKE <call sign here> DURKIN wrote:
>
> > Ok, I'm eventually going to be doing the same thing .... 'cept
> slightly over 1000'.
>
> > I'm not sure of cost ... but why not use power splitters .. and
> simpler 1:9 transformers ...
> >
> > Like 4 250w SS PA's ... without the transistors.
>
> > It will handle the power and broadband ...
>
> I don't see the application of power splitters in this design, where
> do they come in?
> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21256. Re: [ham-antennas] Re: 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 16:51:57 UTC
From: Artekmedia
Topic: 21211 Message: 21256

Could be ....do you have a copy you could scan?

Dave
NR1DX

On 12/13/2011 10:41 AM, mwallred wrote:
>
> Perhaps the article you were trying to remember/find was in the
> October 1980 issue of Ham Radio Magazine. It covers the subject,
> including 4 wire lines, in quite a bit of detail.
>
> Marty
> AG3EK
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Artekmedia <nr1dx@...> wrote:
> >
> > Earlier I posted on the group asking for experience with very long (a
> > 100' is nothing) open wire feed lines sighting a faintly remember
> > article in 73 (which I never did find) that used 4 wires instead of 2
> > and how you match that to 50 ohms on each end
> >
> > Dave
> > NR1DX
> >
> > --
> > Dave& Lynn Henderson
> > Manuals@...
> > www.Artekmedia.com
> > PO Box 175
> > Welch,MN 55089
> >
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21257. RE: [ham-antennas] Re: 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 17:09:30 UTC
From: jo barden
Topic: 21211 Message: 21257

Page 14 to page 20 is what you mean

Jon

G6UWK
To: ham-antennas@yahoogroups.com
From: nr1dx@...
Date: Tue, 13 Dec 2011 10:51:57 -0600
Subject: Re: [ham-antennas] Re: 500' feed lines , Part 2

Could be ....do you have a copy you could scan?

Dave

NR1DX

On 12/13/2011 10:41 AM, mwallred wrote:

>

> Perhaps the article you were trying to remember/find was in the

> October 1980 issue of Ham Radio Magazine. It covers the subject,

> including 4 wire lines, in quite a bit of detail.

>

> Marty

> AG3EK

>

> --- In ham-antennas@yahoogroups.com

> <mailto:ham-antennas%40yahoogroups.com>, Artekmedia <nr1dx@...> wrote:

> >

> > Earlier I posted on the group asking for experience with very long (a

> > 100' is nothing) open wire feed lines sighting a faintly remember

> > article in 73 (which I never did find) that used 4 wires instead of 2

> > and how you match that to 50 ohms on each end

> >

> > Dave

> > NR1DX

> >

> > --

> > Dave& Lynn Henderson

> > Manuals@...

> > www.Artekmedia.com

> > PO Box 175

> > Welch,MN 55089

> >

>

>

--

Dave& Lynn Henderson

Manuals@...

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21258. Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 17:11:37 UTC
From: bk915
Topic: 21234 Message: 21258

My first ham antenna was my last swl antenna. 135' end fed. The antenna was wound on a toroid then to a ground rod. Coax from the rig terminated in windings on the toroid. Antenna and coax DC isolated, sort of a (fairly) broadband inverted L, good from 80m up at least through 20m without a tuner. Later learned a little more and made an 80m OCF dipole with a homebrew balun. Homebrewing swl antennas just naturally led to homebrew ham antennas.

Have fun on the air!

Bill Kulze W2NVD

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
>

21259. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 17:20:46 UTC
From: jo barden
Topic: 21211 Message: 21259

Hi Dave

I have tried to mail it to you but just got bounced back, if you mail me direct off group I will send it to you.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: nr1dx@...
Date: Tue, 13 Dec 2011 10:50:31 -0600
Subject: Re: [ham-antennas] 500' feed lines , Part 2

Actually a very good point since all the lines should be the same

length essentially paralleling the 4 lines should work. The combined

impedance would be on the order of 100 ohms for 4 lines and then a 2:1

balun (4: 1 in the case of the 2 parallel lines) makes the case for

only having 2 lines more compelling even for high power. the added cost

of he two extra lines only buys you an extra .35db of signal

In another application I created a 25 ohm 1/4 wave stub by paralleling

two 1/4 wave sections of 50 ohm coax once

Dave

NR1DX

On 12/13/2011 10:38 AM, Ron Youvan wrote:

>

> MIKE <call sign here> DURKIN wrote:

>

> > Ok, I'm eventually going to be doing the same thing .... 'cept

> slightly over 1000'.

>

> > I'm not sure of cost ... but why not use power splitters .. and

> simpler 1:9 transformers ...

> >

> > Like 4 250w SS PA's ... without the transistors.

>

> > It will handle the power and broadband ...

>

> I don't see the application of power splitters in this design, where

> do they come in?

> --

> Ron KA4INM - Ron KA4INM - Did you know ...

> ... that no-one ever reads these things?

>

>

--

Dave& Lynn Henderson

Manuals@...

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21260. Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 17:23:01 UTC
From: fred
Topic: 21234 Message: 21260

My first antenna was a G5RV with a 1KW johnson matchbox . if you have the space , resonant dipoles are better .
kd5pnt

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
>

21261. using 40 metre dipole on 15 metres

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 17:41:42 UTC
From: fred
Topic: 21261 Message: 21261

since 15 metres is a harmonic of 40 and my 40 metre dipole is cut for low swr at the centre frequency of the general band segment , approx. 34 ft/side . I have not had any luck trying to get it to work on 15 metres . what do I need to do to gat it to work ?
kd5pnt

21262. Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 17:58:21 UTC
From: Don Sanders
Topic: 21234 Message: 21262

As several have said, dipoles are the best starting and for many
permanently.
My first was a windom, NOT. Hard to load and RF in the shack. Then I put up
a 40/80 meter dipole one feed line RG8. The 40 ran NW to SE and the 80 SW
to NE.
I worked the world on 80, 40, and 15 with my DX35 and SX99. Today I run
parallel dipoles for 80 thru 17 with coax feed, RG8X. With the LDG AT100
PRO
I can operate all bands. I have a MOXON on 10 and 12 meters.
I dont believe you can beat resonant half wave dipoles for general
operation.

If you dont want to bother with multiple dipoles, I recommend an 88 foot
doublet
with open wire or 450 ohm feed line. You will need a tuner but you will
have all
band 80 thru 10 operation
.Yes, I have one up at 90 degrees to the parallel dipoles for the second
rig.
That is over 60 years operation with dipoles.
Dr Don HC4/W4BWS
On Mon, Dec 12, 2011 at 11:06 PM, kj6ddf <kj6ddf@...> wrote:

> **
>
>
> I have a Kenwood TS-590S it's my first HF rig and I wondering what would
> be a good first antenna
>
>
>

[Non-text portions of this message have been removed]

21263. Re: [ham-antennas] using 40 metre dipole on 15 metres

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 18:15:08 UTC
From: Ken
Topic: 21261 Message: 21263

You have not had any "luck trying to get it to work on 15 meters" in what way? Can't hear anything? Can't load it? Nobody answers you?

A 40m dipole WILL work on 15, I did that back in my novice days and I've done it since then. Heck, I even use my 40m dipole on 30m, and worked VK with it.

Ken WA8JXM

On Dec 13, 2011, at 12:41 PM, fred wrote:

> since 15 metres is a harmonic of 40 and my 40 metre dipole is cut for low swr at the centre frequency of the general band segment , approx. 34 ft/side . I have not had any luck trying to get it to work on 15 metres . what do I need to do to gat it to work ?
> kd5pnt
>

21264. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 18:43:55 UTC
From: MIKE DURKIN
Topic: 21211 Message: 21264

That's so simple it should of ocurred to me .... 450/2=225ohm.... but 3 runs of 600ohm line ... hummg .... wonder how much separation is needed from each run.

Mike KC7NOA

> To: ham-antennas@yahoogroups.com
> From: jobarden422@...
> Date: Tue, 13 Dec 2011 17:20:46 +0000
> Subject: RE: [ham-antennas] 500' feed lines , Part 2
>
>
> Hi Dave
>
> I have tried to mail it to you but just got bounced back, if you mail me direct off group I will send it to you.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: nr1dx@...
> Date: Tue, 13 Dec 2011 10:50:31 -0600
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
> Actually a very good point since all the lines should be the same
>
> length essentially paralleling the 4 lines should work. The combined
>
> impedance would be on the order of 100 ohms for 4 lines and then a 2:1
>
> balun (4: 1 in the case of the 2 parallel lines) makes the case for
>
> only having 2 lines more compelling even for high power. the added cost
>
> of he two extra lines only buys you an extra .35db of signal
>
>
>
> In another application I created a 25 ohm 1/4 wave stub by paralleling
>
> two 1/4 wave sections of 50 ohm coax once
>
>
>
> Dave
>
> NR1DX
>
>
>
> On 12/13/2011 10:38 AM, Ron Youvan wrote:
>
> >
>
> > MIKE <call sign here> DURKIN wrote:
>
> >
>
> > > Ok, I'm eventually going to be doing the same thing .... 'cept
>
> > slightly over 1000'.
>
> >
>
> > > I'm not sure of cost ... but why not use power splitters .. and
>
> > simpler 1:9 transformers ...

> > >
> > > Like 4 250w SS PA's ... without the transistors.
> > >
> > > It will handle the power and broadband ...
> > >
> > I don't see the application of power splitters in this design, where
> > do they come in?
> > --
> > Ron KA4INM - Ron KA4INM - Did you know ...
> > ... that no-one ever reads these things?
> > >
> > >
> --
> Dave& Lynn Henderson
> Manuals@...
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
> [Non-text portions of this message have been removed]

>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21265. Re: [ham-antennas] using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 18:47:39 UTC
From: Ron Youvan
Topic: 21261 Message: 21265

Ken WA8JXM wrote:

> You have not had any "luck trying to get it to work on 15 meters" in what way? Can't hear anything?
> Can't load it? Nobody answers you?

> A 40m dipole WILL work on 15, I did that back in my novice days and I've done it since then. Heck, I
> even use my 40m dipole on 30m, and worked VK with it.

I worked my Elmer in 15 meters weekly, one day he used his 40 meter dipole (his emergency 15
meter antenna) instead of his tri-band "L" antenna, few could hear him, all that could said he was
weak as water. I think it works, but it is quite inefficient.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21266. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:16:36 UTC
From: Artekmedia
Topic: 21211 Message: 21266

I have seen one reference on one distributors web (DXE ?) site that
says the 450 ohm window line is really closer to 400ohm. I think when I
get to that point I will actually measure it

Dave
NR1DX

On 12/13/2011 12:43 PM, MIKE DURKIN wrote:
>
> That's so simple it should of ocurred to me .... 450/2=225ohm.... but
> 3 runs of 600ohm line ... hummg .... wonder how much separation is
> needed from each run.
>
> Mike KC7NOA
>
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > From: jobarden422@... <mailto:jobarden422%40msn.com>
> > Date: Tue, 13 Dec 2011 17:20:46 +0000
> > Subject: RE: [ham-antennas] 500' feed lines , Part 2
> >
> >
> > Hi Dave
> >
> > I have tried to mail it to you but just got bounced back, if you
> mail me direct off group I will send it to you.
> >
> > Jon
> >
> > G6UWK
> >
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > From: nr1dx@... <mailto:nr1dx%40arrl.net>
> > Date: Tue, 13 Dec 2011 10:50:31 -0600
> > Subject: Re: [ham-antennas] 500' feed lines , Part 2
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >

> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > Actually a very good point since all the lines should be the same
> >
> > length essentially paralleling the 4 lines should work. The combined
> >
> > impedance would be on the order of 100 ohms for 4 lines and then a 2:1
> >
> > balun (4: 1 in the case of the 2 parallel lines) makes the case for
> >
> > only having 2 lines more compelling even for high power. the added cost
> >
> > of he two extra lines only buys you an extra .35db of signal
> >
> >
> >
> > In another application I created a 25 ohm 1/4 wave stub by paralleling
> >
> > two 1/4 wave sections of 50 ohm coax once
> >
> >
> >
> > Dave
> >
> > NR1DX
> >
> >
> >
> > On 12/13/2011 10:38 AM, Ron Youvan wrote:
> >
> > >
> >
> > > MIKE <call sign here> DURKIN wrote:
> >
> > >

> >
> > > > Ok, I'm eventually going to be doing the same thing .... 'cept
> >
> > > slightly over 1000'.
> >
> > >
> >
> > > > I'm not sure of cost ... but why not use power splitters .. and
> >
> > > simpler 1:9 transformers ...
> >
> > > >
> >
> > > > Like 4 250w SS PA's ... without the transistors.
> >
> > >
> >
> > > > It will handle the power and broadband ...
> >
> > >
> >
> > > I don't see the application of power splitters in this design, where
> >
> > > do they come in?
> >
> > > --
> >
> > > Ron KA4INM - Ron KA4INM - Did you know ...
> >
> > > ... that no-one ever reads these things?
> >
> > >
> >
> > >
> >
> >
> >
> >
> > --
> >
> > Dave& Lynn Henderson
> >
> > Manuals@... <mailto:Manuals%40ArtekMedia.com>
> >
> > www.Artekmedia.com
> >
> > PO Box 175
> >
> > Welch,MN 55089
> >
> >

> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY
> be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21267. Re: [ham-antennas] using 40 metre dipole on 15 metres

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:29:24 UTC
From: Frank Kirschner
Topic: 21261 Message: 21267

If it is cut to resonate at 7.150 MHz, then it will resonate at 21.450, which may be a bit too high. I cut my last 40 meter dipole for around 7.070 (I work mostly CW and digital), and it worked well on 15, resonating around 21.210, but usable over the entire band.

A 40 meter half wave dipole should work fine as a 15 meter one and a half wave doublet.

73,
Frank
KF6E

On Tue, Dec 13, 2011 at 12:41 PM, fred <radiomanl@...> wrote:

> **
>
>
> since 15 metres is a harmonic of 40 and my 40 metre dipole is cut for low
> swr at the centre frequency of the general band segment , approx. 34
> ft/side . I have not had any luck trying to get it to work on 15 metres .
> what do I need to do to gat it to work ?
> kd5pnt
>
> _
>

[Non-text portions of this message have been removed]

21268. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:29:44 UTC
From: fred
Topic: 21261 Message: 21268

not able to load it . SWR remains above 5:1. dipole is approx 34 ft per side . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it covers the entire general segment without using the internal tuner on the ft 950 and the tuner will not match it on 15 . don't have any problem hearing anyone on the band. maybe that is the problem . 40 works well and I don't want to mess it up trying to get 15 working . I only have 3 trees and the hurricane fence to tie the ends to and I already have 6 wires in the air , 10 , 20 and 40 metres . the balun is a bencher ZA1A.
kd5pnt

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Ken WA8JXM wrote:
>
> > You have not had any "luck trying to get it to work on 15 meters" in what way? Can't hear anything?
> > Can't load it? Nobody answers you?
>
> > A 40m dipole WILL work on 15, I did that back in my novice days and I've done it since then. Heck, I
> > even use my 40m dipole on 30m, and worked VK with it.
>
> I worked my Elmer in 15 meters weekly, one day he used his 40 meter dipole (his emergency 15
> meter antenna) instead of his tri-band "L" antenna, few could hear him, all that could said he was
> weak as water. I think it works, but it is quite inefficient.
> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

21269. Re: [ham-antennas] using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:31:40 UTC
From: Larry Tooley
Topic: 21261 Message: 21269

You are absolutly right, Ken. Mine was cut for 40 meter CW (7.100 mHz).
Three times that is 21.300 right in the middle of 15 meters. Have done this
for ages with my 80/40 ARRL Trap Dipole.

Larry WA9G
----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 13, 2011 12:47 PM
Subject: Re: [ham-antennas] using 40 meter dipole on 15 meters

Ken WA8JXM wrote:

> You have not had any "luck trying to get it to work on 15 meters" in
what way? Can't hear anything?
> Can't load it? Nobody answers you?

> A 40m dipole WILL work on 15, I did that back in my novice days and I've
done it since then. Heck, I
> even use my 40m dipole on 30m, and worked VK with it.

I worked my Elmer in 15 meters weekly, one day he used his 40 meter dipole
(his emergency 15
meter antenna) instead of his tri-band "L" antenna, few could hear him,
all that could said he was
weak as water. I think it works, but it is quite inefficient.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

21270. Re: Flagpole antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:32:24 UTC
From: Ralph
Topic: 20685 Message: 21270

Will a Bazooka work? It's almost like a Flagpole
v/r
Ralph WH7PD

--- In ham-antennas@yahoogroups.com, "doug pfaff" <doug.pfaff@...> wrote:
>
> Hi Gloria use a HF flagpole design from the ARRL Antenna Compendium or try Ham Antenna Books from your local library.
>
> Doug ve5dcp
>
> Doug Pfaff
> doug.pfaff@...
> ----- Original Message -----
> From: GLORIA W
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, November 19, 2011 6:34 AM
> Subject: [ham-antennas] Flagpole antennas
>
>
>
> I live in a deed restricted community but we are allowed to have flag poles. I need ideas. Thank you
>
> Gloria KK4DXM
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21271. Re: [ham-antennas] Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:34:36 UTC
From: Larry Tooley
Topic: 21234 Message: 21271

My first antenna was my mic cord. Couldn't talk across town. My Elmer laughed for 5 minutes before he could tell me I wired the mic up to the antenna jack and the antenna to the microphone jack.

----- Original Message -----
From: bk915
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 13, 2011 11:11 AM
Subject: [ham-antennas] Re: what was your first HF antenna Or what would you recommend as a first HF antenna

My first ham antenna was my last swl antenna. 135' end fed. The antenna was wound on a toroid then to a ground rod. Coax from the rig terminated in windings on the toroid. Antenna and coax DC isolated, sort of a (fairly) broadband inverted L, good from 80m up at least through 20m without a tuner. Later learned a little more and made an 80m OCF dipole with a homebrew balun. Homebrewing swl antennas just naturally led to homebrew ham antennas.

Have fun on the air!

Bill Kulze W2NVD

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
>

[Non-text portions of this message have been removed]

21272. Re: [ham-antennas] Unwanted A4 resonance shift

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:36:09 UTC
From: Nelson Wittstock
Topic: 20923 Message: 21272

Today I solved my problem. After replacing my coax as it had been a suspect in my situation with an erratic SWR, the problem was still present. The best SWR in all four bands was higher in frequency than the upper band edge. The next possible cause was the traps. I had previously cleaned them out and put screening over the vent holes so I felt that this solution was still not all that likely but I didn't see what else it could be. Today I replaced both driven element ten meter traps and tha antenna has excellent SWR's right where they should be on all the bands. The end cap had cracked open on one of the traps but there was no sign of insect activity. What I did find was that one of the screws inside that secured an end of the coil was loose enough to allow the attachment point to wiggle. It had the factory applied sealant but was slightly loose anyway. Apparently the connection to the coil was intermittent enough to mess up the whole works. This hobby can certainly keep the analytical brain juices flowing.

Nelson, K8DJC

[Non-text portions of this message have been removed]

21273. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:42:53 UTC
From: Dave Oldridge
Topic: 21211 Message: 21273

On 12/12/2011 12:15 PM, Artekmedia wrote:
> Earlier I posted on the group asking for experience with very long (a
> 100' is nothing) open wire feed lines sighting a faintly remember
> article in 73 (which I never did find) that used 4 wires instead of 2
> and how you match that to 50 ohms on each end
>
> To date these are the requirements and what I have gleaned so far and a
> plan is slowly forming
>
> 1) This will be the main feed line for all antennas from 160M -10M
> 2) The antenna farm is about 500' away from the shack
> 3) The ability to match to 50 ohm line on both ends is a necessity.
> Tower and beam on on end, typical transceiver on the other
> 4) Antenna tuners are not an option for many reasons so the system must
> be broad band and very low loss
>
> Here are some of the things I have discovered so far
> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
> not terribly expensive, losses of less than .25 db at 30 MHz are not
> unrealistic to expect.
> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
> at both ends. Truly flat low loss 16:1 baluns that cover the entire
> frequency range are hard to build with most designs covering 1.8 to 14
> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs
> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> possible solution but at a higher insertion loss, and broad band
> performance appears to be tricky
> 3) I now suspect the earlier article which used 4 wires which were
> chosen to lower the feed line impedance to 200 ohms for an easier broad
> band match using 4:1 baluns which are easier to construct and are
> better behaved over the frequency range than the 16:1 baluns
>
> Next thought exercise
>
> 1) construct a 4 wire 200hm line. This requires spacing on the order of
> 1.75" using #12. probably needs lots of spacers to be well behaved.
>
> 2) Another possibility is to use two 450 ohm ladder lines spaced
> comfortably apart and connected in parallel (effectively giving 225
> ohms . I am told that the #14 version of the 450ohm line is actually
> closer to 400ohms ...can anyone verify this ?
>
>
> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>

> More thoughts? Suggestions?
>

These lines are low loss when the air is dry. They deteriorate badly in rain.

--
Dave Oldridge
Skype: daveoldridge
Ham Radio: VA7CZ

21274. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:46:10 UTC
From: jo barden
Topic: 21211 Message: 21274

How about the the 600ohm line but with 2 baluns at each end one for low and one for high that are relay switched in? Now I know it is another cable and yes it cannot be too close to feed but best of both worlds? Conversly an old touring caravan close to antenna as the shack.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: doldridg@...
Date: Tue, 13 Dec 2011 11:42:53 -0800
Subject: Re: [ham-antennas] 500' feed lines , Part 2

On 12/12/2011 12:15 PM, Artekmedia wrote:

> Earlier I posted on the group asking for experience with very long (a

> 100' is nothing) open wire feed lines sighting a faintly remember

> article in 73 (which I never did find) that used 4 wires instead of 2

> and how you match that to 50 ohms on each end

>

> To date these are the requirements and what I have gleaned so far and a

> plan is slowly forming

>

> 1) This will be the main feed line for all antennas from 160M -10M

> 2) The antenna farm is about 500' away from the shack

> 3) The ability to match to 50 ohm line on both ends is a necessity.

> Tower and beam on on end, typical transceiver on the other

> 4) Antenna tuners are not an option for many reasons so the system must

> be broad band and very low loss

>

> Here are some of the things I have discovered so far

> 1) a 500' open wire 600 ohm line would be reasonable to assemble and

> not terribly expensive, losses of less than .25 db at 30 MHz are not
> unrealistic to expect.
> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
> at both ends. Truly flat low loss 16:1 baluns that cover the entire
> frequency range are hard to build with most designs covering 1.8 to 14
> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs
> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> possible solution but at a higher insertion loss, and broad band
> performance appears to be tricky
> 3) I now suspect the earlier article which used 4 wires which were
> chosen to lower the feed line impedance to 200 ohms for an easier broad
> band match using 4:1 baluns which are easier to construct and are
> better behaved over the frequency range than the 16:1 baluns
>
> Next thought exercise
>
> 1) construct a 4 wire 200hm line. This requires spacing on the order of
> 1.75" using #12. probably needs lots of spacers to be well behaved.
>
> 2) Another possibility is to use two 450 ohm ladder lines spaced
> comfortably apart and connected in parallel (effectively giving 225
> ohms . I am told that the #14 version of the 450ohm line is actually
> closer to 400ohms ...can anyone verify this ?
>
>
> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
>
> More thoughts? Suggestions?
>

These lines are low loss when the air is dry. They deteriorate badly in rain.

--

Dave Oldridge

Skype: daveoldridge

Ham Radio: VA7CZ

[Non-text portions of this message have been removed]

21275. Re: [ham-antennas] Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 19:59:57 UTC
From: Frank Kirschner
Topic: 21234 Message: 21275

My first transmitter had the mic and antenna connections the same physical set-up, which would have made that mistake easy to make. Nowadays, with the advice of Murphy, the connectors are impossible to reverse.

My first antenna was a HyGain dipole. I strung it between the tree in our yard and the one in the neighbor's yard. It worked OK.

With a TS-590S as a first rig, I'd think about a pretty good quality antenna. I'm currently using a 102-ft doublet fed with 450 ohm window line, up about 70 feet, which works OK. I'm trying to get a permit to put up a tower and a three element quad.

Have fun.

73,
Frank
KF6E

On Tue, Dec 13, 2011 at 2:34 PM, Larry Tooley <wa9guu@...> wrote:

> **
>
>
> My first antenna was my mic cord. Couldn't talk across town. My Elmer
> laughed for 5 minutes before he could tell me I wired the mic up to the
> antenna jack and the antenna to the microphone jack.
>

[Non-text portions of this message have been removed]

21276. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 20:07:54 UTC
From: Tom Mitchell VE7TOM
Topic: 21211 Message: 21276

Dave,

Have not measured on 10 but 2 to 2.5 DB is a realistic expectation as the balun and connector losses probably increase slightly in addition to my short run coax from the house to the first balun. Much better than coax or large diameter hardline for these sorts or runs. The only down side is ribbon or open wire feeder takes a bit more work and care to install when running horizontally than coax.

Tom

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Artekmedia
Sent: Monday, December 12, 2011 9:45 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 500' feed lines , Part 2

Tom

Thanks !!! Exactly what I was looking for so by the time you get to 10 meters the loss is maybe 2 to 2.5 db?

Dave

NR1DX

On 12/12/2011 11:26 PM, Tom Mitchell VE7TOM wrote:
>
> I do this with about 450 feet of feed line and have about 1.2 to 1.4
> DB loss
> on 20 meters from the coax in the back of the transceiver through the
> amp to
> the output of the remote antenna switch box. I have measured two different
> ways - Bird watt meter and dummy load and antenna analyzer. They agree
> with
> each other.
>
> I am using about 20 feet of coax from inside the house to a DXE 5KW
> balun to
> 450 ohm ribbon line. Then run 450 feet up the hill using electric fence 6
> or 8 inch insulators on tops of garden posts and trees trucks. At the top
> end I have a relay box to switch the 450 ohm ribbon line to several other
> 450 ohm antennas as well as another DXE balun to get back to 50 ohms. That
> balun goes to a remote coaxial antenna switch for my 50 ohm antennas.
>
> Works well. There are several sizes of wire used in 450 ohm ribbon wire.
> If QRO then get the bigger wire size. Helps lower resistive losses

> somewhat
> but also more copper so stronger in a wind storm.
>
> Twist the ribbon wire every few feet. The goal is to cancel out any E
> field
> such as other noise sources the ribbon experiences. In theory it may work
> but the ribbon is probably not that well balanced anyways due to routing
> nearby other objects and ground and tree proximity.
>
> No RF in the shack and the antennas are high on a hill with a 270 degree
> clear view. No household electrical noise picked up by the antennas
> either.
> However, my wife keeps turning on an electric fencer on the horse paddock
> near the antenna site and that tests the noise blankers in the radios.
> Fortunately, the fencer has an off switch for important contests and rare
> Dx.
>
> Tom VE7TOM
>
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>] On
> Behalf Of Artekmedia
> Sent: Monday, December 12, 2011 8:47 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
> Point is..... the optimum location for the antenna farm is 500' from
> the shack .... looking for the most cost effective solution to get a
> feed line out there that is not effectively a 500' long cantenna . wire
> line looks like the best solution from a loss perspective but the
> impedance sucks when it comes to matching the tribander at the far end
> and the TL922 on this end....ergo matching transformers at each end ...
> need broadband transformers for 160 through 10 I work all of them
> equally. If I could afford it I would run 2" hard line out there and be
> done with it.
>
> The issue is not about power, the cost of winding a 2KW balun is only
> pennies more than a 200w balun so that is not the quandry. The issue
> with the baluns is a truly broad band solution. Everything I have read
> so far says it is much easier to wind a 4:1 balun that is flat from 1Mhz
> to 50 MHz than it is to wind a 16:1 balun that is flat over the same
> range.
>

> Another poster suggested forget about trying to match the 50 ohm line to
> to the open wire exactly and just use the 4:1 balun at each end and
> take the mismatch to the 600ohm line presumably from the perspective
> that any mismatch on a open wire line is of no consequence from a loss
> perspective . Now I have never seen anyone actually report on how well
> that worked out but lets do the math .
>
> 1) 4:1 balun steps the 50 ohm load at the far end up to 200 ohms
>
> 2) Let say for the sake of argument that we have a 600ohm open wire feed
> line and it is exactly 1/4 wave long or a multiple there of ......this
> is by the way the worst case
>
> 3) Using the 1/4 wave line impedance transformation equation Zin=(Zo x
> Zo) / Zload..gives an impedance of (600 x 600) /200 = 1800 ohms at the
> other end
>
> 4) Now the 4:1 balun at the transmitter end of the line steps the 1800
> ohms down to 450 ohms presenting the TL922 with a 9:1 mismatch which
> high power amps REALLY DO NOT LIKE resulting in all kinds of
> "interesting and exciting" behaviors
>
> 5) Depending on the actual line length other interesting impedance's
> result as we move around the smith chart until we get magically to lines
> which are EXACTLY 1/2 wave or a multiple there off. In that rare case
> the 200 ohm impedance at the load arrives at the transmitter end as
> exactly 200 ohms. and is 4:1 stepped back down to 50 ohms. Having a
> rubber feed line that is always EXACTLY a 1/2 wave long at all
> frequencies is not practical and that is in one perspective what
> antenna tuners do .
>
> 6) In case you missed it in the original post using antenna tuners is
> NOT an option in this case but it would likely solve the mismatch
> impedance transformation problem. . If your into using antenna tuners
> then the impedance mismatch as a result of the open wire line mismatch
> could be solved. Unlike baluns 2kw antenna tuners are significantly more
> expensive than 200W tuners. Also depending on the configuration and the
> impedance mismatch the losses in the tuner can be significant,
> certainly more than a few tenths of a db lost in a well designed balun.
>
> Dave
> NR1DX
>
> On 12/12/2011 8:13 PM, MIKE DURKIN wrote:
> > Well, im not sure what your trying to accomplish ... more signal to the
> world? Are you down in a gully?
> >
> > If your a cloud burner right now and the long run is to get up a
> hill for
> better propergation ... what's your priorities at ... keep hro or buy the

> parts to get better propagation with 100w and later get balun's for
> the QRO
> level output. (id keep the amp ... I have a HL2K)
> >
> > My point is forget the high power balun and get it working- QRO can come
> later.
> >
> > What's better 3Kwpropergation into a antenna or 50wthe into
> >
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> > From: nr1dx@... <mailto:nr1dx%40arrl.net>
<mailto:nr1dx%40arrl.net>
> <mailto:nr1dx%40arrl.net>
> > Date: Mon, 12 Dec 2011 19:56:24 -0600
> > Subject: Re: [ham-antennas] 500' feed lines , Part 2
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > Bought it over 25 years ago ...don't remember, I am working on the 2nd
> >
> > set of 3-500's though ..Kind of like my 1996 ford explorer that has
> >
> > 210,000 miles on it ..had it so long cant remember what I paid for
> it ...
> >
> >

> >
> > What is your point?
> >
> >
> >
> > On 12/12/2011 7:21 PM, MIKE DURKIN wrote:
> >
> >> And the QRO amp cost?
> >> To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>
> >> From: nr1dx@... <mailto:nr1dx%40arrl.net>
<mailto:nr1dx%40arrl.net>
> <mailto:nr1dx%40arrl.net>
> >> Date: Mon, 12 Dec 2011 17:31:36 -0600
> >> Subject: Re: [ham-antennas] 500' feed lines , Part 2
> >> FWIW ....apparently it is worth quite a lot ..the DXE solution for 500
> >> ft with the two transformer is $545 ($300 of which is for the
> baluns)!!!
> >> Don't get me wrong I love DXE and have bought from them on occasion in
> >> the past and I am a satisfied customer...but the cost of the two baluns
> >> at $150 each is more than my Scottish ancestry gene pool can wrap it's
> >> mind around.
> >> One troubling thing about the DXE system is they quote .7db total loss
> >> for the two baluns plus 500' of line but dont say at what frequency.
> >> They quote the ARRL handbook as the source of the loss figure which
> >> leads me to believe this must be at 7 MHz, because at 30 MHz the ARRL
> >> handbook would gives .8db for 500' of window line. if I add another .2
> >> db per balun I am now up to 1.2db total loss at 30 MHz (still good
> >> compared to coax at that length). Now I am the first person to
> argue who
> >> cares about .5dB, but the lack of full disclosure on DXE's part in
> their
> >> very detailed 5 page PDF document about the system seems just a bit
> >> disingenuous.
> >> To answer one of my other questions though they do state that their 450
> >> OHM Window line is really 400 OHM nominal impedance
> >> I have an email into them for clarification on the loss figures
> >> Dave
> >> NR1DX
> >> On 12/12/2011 3:08 PM, Ken wrote:
> >>> FWIW, DX Engineering sells a setup exactly like that, two baluns and
> >>> as much ladder line as you would like. You might check into their
> >>> design for more information.
> >>> Ken WA8JXM
> >>> On Dec 12, 2011, at 3:15 PM, Artekmedia wrote:
> >>>> Earlier I posted on the group asking for experience with very
> long (a
> >>>> 100' is nothing) open wire feed lines sighting a faintly remember

> >>>> article in 73 (which I never did find) that used 4 wires instead
> of 2
> >>>> and how you match that to 50 ohms on each end
> >>>> To date these are the requirements and what I have gleaned so far
> and a
> >>>> plan is slowly forming
> >>>> 1) This will be the main feed line for all antennas from 160M -10M
> >>>> 2) The antenna farm is about 500' away from the shack
> >>>> 3) The ability to match to 50 ohm line on both ends is a necessity.
> >>>> Tower and beam on on end, typical transceiver on the other
> >>>> 4) Antenna tuners are not an option for many reasons so the
> system must
> >>>> be broad band and very low loss
> >>>> Here are some of the things I have discovered so far
> >>>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
> >>>> not terribly expensive, losses of less than .25 db at 30 MHz are not
> >>>> unrealistic to expect.
> >>>> 2) The 600 ohm line would require a 16:1 balun to convert it to
> 50 ohms
> >>>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
> >>>> frequency range are hard to build with most designs covering 1.8
> to 14
> >>>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun
> >>> designs
> >>>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
> >>>> possible solution but at a higher insertion loss, and broad band
> >>>> performance appears to be tricky
> >>>> 3) I now suspect the earlier article which used 4 wires which were
> >>>> chosen to lower the feed line impedance to 200 ohms for an easier
> broad
> >>>> band match using 4:1 baluns which are easier to construct and are
> >>>> better behaved over the frequency range than the 16:1 baluns
> >>>> Next thought exercise
> >>>> 1) construct a 4 wire 200hm line. This requires spacing on the
> order of
> >>>> 1.75" using #12. probably needs lots of spacers to be well behaved.
> >>>> 2) Another possibility is to use two 450 ohm ladder lines spaced
> >>>> comfortably apart and connected in parallel (effectively giving 225
> >>>> ohms . I am told that the #14 version of the 450ohm line is actually
> >>>> closer to 400ohms ...can anyone verify this ?
> >>>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?
> >>>> More thoughts? Suggestions?
> >>>> Dave
> >>>> NR1DX
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@... <mailto:Manuals%40ArtekMedia.com>

<mailto:Manuals%40ArtekMedia.com>
> <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@... <mailto:Manuals%40ArtekMedia.com>
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21277. Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 20:30:28 UTC
From: VE3FMC
Topic: 21234 Message: 21277

More information on the size of your property, available trees or supports would go a long way in having us help you with your first antenna.

However, if you have room for a dipole with legs that are 65 feet per side then make a doublet.

Use 450 ohm ladder line to feed it. If you can keep the ladder line off the ground and connect it to a good 4:1 current balun just outside your shack window, then a short run of coax to the tuner you will have an antenna that will cover every band from 80 meters right up to 10 meters.

The internal tuner may or may tune some of the bands so you would be better off with a good external tuner. You could also run the ladder line right to the tuner if it has a 4:1 balun built it. But if I was going that route I would prefer to keep the ladder line outside of the shack.

You can also build fan dipoles. One coax feed line connected to the feed point then dipoles for different bands connected at the feed point. You need to be able to spread the legs of the dipoles apart so they do not interact with each other.

The beauty of the fan dipole is the fact you can trim the legs of it for each band and get away without running an external tuner. The tuner in the radio can handle any mismatch you may have.

Ground mounted verticals are also a good way to go. However you need to lay down lots of radials so the antenna works properly. Hustler 4BTV gives you 40-20-15 and 10 meters. You can add 17 and 12 meters too it by adding wires suspended out from the vertical and connecting them to the feed point of the vertical. But remember you must put down at least 32 radials so the antenna works properly.

If you can afford a tower, rotor and multi band beam then go that route. You can also suspend wire antennas off the tower by using a support arm at the top of the tower. You can then cover 80-60-40-17 meters that way.

So many options, that is why it is important for us to know the lay out of your property.

73, Rick VE3FMC

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
>

21278. RE: [ham-antennas] using 40 metre dipole on 15 metres

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 20:30:18 UTC
From: Richard Schmuke
Topic: 21261 Message: 21278

Let's start with a little basic antenna, if you build a 40M dipole and adjust the angle and height you can get a 1:1 SWR so the radio would be seeing about a 50ohm load. Let not get too technical and try to keep this simple for now. When you try to use a 40M antenna on 15M it becomes a 100 ohm antenna, 3/4wl each side about so the best would be about 2:1 SWR. What are your readings on 15M? I use two different antennas on 15 that work fine as multi wavelength, a 80m loop and a 135ft dipole.

What is your problem, you can't hear, bad SWR or rig wont tune it?

Rich, Kd0zz

Subject: [ham-antennas] using 40 metre dipole on 15 metres

since 15 metres is a harmonic of 40 and my 40 metre dipole is cut for low swr at the centre frequency of the general band segment , approx. 34 ft/side . I have not had any luck trying to get it to work on 15 metres . what do I need to do to gat it to work ?
kd5pnt

[Non-text portions of this message have been removed]

21279. Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 20:38:23 UTC
From: Dallas Asher
Topic: 21234 Message: 21279

My first and still only antenna G5RV @30 feet works great 32 states 12 countries host of special events since June 2011.
73 / N9UCV

From: Joseph Lankford II <du1_ks4dk@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Tuesday, December 13, 2011 10:24 AM
Subject: Re: [ham-antennas] what was your first HF antenna Or what would you recommend as a first HF antenna

First HF antennas were 80M Inverted-V and Hygain 14AVQ mounted on the roof.

Both worked Great!

73, JJ DU1/KS4DK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21280. RE: [ham-antennas] Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 20:45:02 UTC
From: jo barden
Topic: 21234 Message: 21280

My two peneth

What is your QTH like? Trees/supports available? lots of room? covenants? if you have room a good starting point is a dipole for the lowest frequency band you want and then the odd harmonics will be available as others have said. I have G5RV and OCFD and except 15m the OCFD wins but have had RF in shack. Your radio got a good review in "Radcom" a few months ago by the way.

I also have a half wave vertical (ala: AA5TB http://aa5tb.com/efha.html) and it is tuned for 15m but my little LDG-Z11 pro11 tunes it from 20-10m and I regularly get accross the Atlantic on it, last couple of weeks just after the Sun has set and 10m fades on my OCFD the half wave vertical gives me another 30mins into LU/PY etc.

I would say though if using outboard tuner then you must turn off the one on the radio or you will have expensive brick. This has been a topic on the FT-450 group (my radio) and the internal components of on-board tuner can get all sorts of high voltages when there are 2 tuners in line.

So back to original question best first antenna is the one that you can make that gets you out. I would consider the following in order:

Wire Antennas

Dipole
Fan Dipole
OCFD

Vertical

Quarter Wave with ground plane/radials (even 2 will work, more is better but you will get out)
Half wave without ground plane

Hope to catch you on the bands

Jon

G6UWK

[Non-text portions of this message have been removed]

21281. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 20:45:21 UTC
From: VE3FMC
Topic: 21261 Message: 21281

The problem you are having is due to the fact that the internal tuner on the FT-950 will struggle to tune a 5:1 SWR. Well known fact that most internal tuners will not tune much higher than a 3:1 SWR.

Now in my case my 40 meter dipole can be tuned by the internal tuner on my FT-950. The external SWR meter shows an SWR of between 3:1 and 4:1 on my 40 meter dipole when I am on 15 meters.

My 40 meter dipole SWR curve goes from 1:5:1 at 7.000 down to 1:1 from 7.125 to 7.185 then rises back up to 1:5:1 at 7.299.

So my advice would be to try an external tuner and you will be able to tune your 40 meter dipole on 15 meters. I currently have no antenna for 15 so I use the 40 meter dipole and make contacts with it.

I also have an Antron 99 vertical mounted at 24 feet. When comparing signals between it and the 40 meter dipole the signal strengths vary. Some stations are stronger on the dipole, some are stronger on the Antron. The SWR is under 3:1 on the Antron, but that does not mean the antenna is an efficient radiator on 15 meters!

Another thing you can do is simply add the legs of a 15 meter dipole to the feed point of your 40 meter dipole, trim them to resonance and call it a day. If you do not have an external tuner then that may be the route you have to take.

73, Rick VE3FMC

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> not able to load it . SWR remains above 5:1. dipole is approx 34 ft per side . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it covers the entire general segment without using the internal tuner on the ft 950 and the tuner will not match it on 15 . don't have any problem hearing anyone on the band. maybe that is the problem . 40 works well and I don't want to mess it up trying to get 15 working . I only have 3 trees and the hurricane fence to tie the ends to and I already have 6 wires in the air , 10 , 20 and 40 metres . the balun is a bencher ZA1A.
> kd5pnt
>
> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@> wrote:
> >
> > Ken WA8JXM wrote:
> >
> > > You have not had any "luck trying to get it to work on 15 meters" in what way? Can't hear anything?
> > > Can't load it? Nobody answers you?
> >
> > > A 40m dipole WILL work on 15, I did that back in my novice days and I've done it since then. Heck, I

> > > even use my 40m dipole on 30m, and worked VK with it.
> >
> > I worked my Elmer in 15 meters weekly, one day he used his 40 meter dipole (his emergency 15
> > meter antenna) instead of his tri-band "L" antenna, few could hear him, all that could said he was
> > weak as water. I think it works, but it is quite inefficient.
> > --
> > Ron KA4INM - Ron KA4INM - Did you know ...
> > ... that no-one ever reads these things?
> >
>

21282. RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 20:48:09 UTC
From: Richard Schmuke
Topic: 21261 Message: 21282

A SWR of 1.4 on 40 and 5:1 on 15 does not compute in this old mind. The simplest thing I know of is to make your 20 or 40 into a 2 band fan dipole by adding a extra wire. I made a 5 band one so a 2 band would be simple.

http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of fred
Sent: Tuesday, December 13, 2011 1:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

not able to load it . SWR remains above 5:1. dipole is approx 34 ft per side . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it covers the entire general segment without using the internal tuner on the ft 950 and the tuner will not match it on 15 . don't have any problem hearing anyone on the band. maybe that is the problem . 40 works well and I don't want to mess it up trying to get 15 working . I only have 3 trees and the hurricane fence to tie the ends to and I already have 6 wires in the air , 10 , 20 and 40 metres . the balun is a bencher ZA1A.
kd5pnt

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , Ron Youvan <ka4inm@...> wrote:
>
> Ken WA8JXM wrote:
>
> > You have not had any "luck trying to get it to work on 15 meters" in what way? Can't hear anything?
> > Can't load it? Nobody answers you?
>
> > A 40m dipole WILL work on 15, I did that back in my novice days and I've done it since then. Heck, I
> > even use my 40m dipole on 30m, and worked VK with it.
>
> I worked my Elmer in 15 meters weekly, one day he used his 40 meter dipole (his emergency 15
> meter antenna) instead of his tri-band "L" antenna, few could hear him, all that could said he was
> weak as water. I think it works, but it is quite inefficient.
> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

[Non-text portions of this message have been removed]

21283. Re: using 40 metre dipole on 15 metres

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 21:31:57 UTC
From: VE3FMC
Topic: 21261 Message: 21283

I just worked ZK2V on the island of Niue with my 40 meter dipole on 15 meters. Mind you I had to turn the amp on, 500 watts to make the contact. But then again my 40 meter dipole has an apex at 28 feet so it is not what you would call a DX machine :)
Rick VE3FMC

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> since 15 metres is a harmonic of 40 and my 40 metre dipole is cut for low swr at the centre frequency of the general band segment , approx. 34 ft/side . I have not had any luck trying to get it to work on 15 metres . what do I need to do to gat it to work ?
> kd5pnt
>

21284. Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 21:45:26 UTC
From: Larry Tooley
Topic: 21261 Message: 21284

Great!!! Have dimensions on it?
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 13, 2011 2:48 PM
Subject: RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

A SWR of 1.4 on 40 and 5:1 on 15 does not compute in this old mind. The simplest thing I know of is to make your 20 or 40 into a 2 band fan dipole by adding a extra wire. I made a 5 band one so a 2 band would be simple.

http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
On
Behalf Of fred
Sent: Tuesday, December 13, 2011 1:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

not able to load it . SWR remains above 5:1. dipole is approx 34 ft per side
. the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it covers the entire general segment without using the internal tuner on the ft
950 and the tuner will not match it on 15 . don't have any problem hearing anyone on the band. maybe that is the problem . 40 works well and I don't want to mess it up trying to get 15 working . I only have 3 trees and the hurricane fence to tie the ends to and I already have 6 wires in the air , 10 , 20 and 40 metres . the balun is a bencher ZA1A.
kd5pnt

--- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
, Ron Youvan <ka4inm@...> wrote:
>
> Ken WA8JXM wrote:
>
> > You have not had any "luck trying to get it to work on 15 meters" in what way? Can't hear anything?
> > Can't load it? Nobody answers you?
>
> > A 40m dipole WILL work on 15, I did that back in my novice days and I've

done it since then. Heck, I
> > even use my 40m dipole on 30m, and worked VK with it.
>
> I worked my Elmer in 15 meters weekly, one day he used his 40 meter
dipole
(his emergency 15
> meter antenna) instead of his tri-band "L" antenna, few could hear him,
all that could said he was
> weak as water. I think it works, but it is quite inefficient.
> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21285. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 21:56:21 UTC
From: fred
Topic: 21261 Message: 21285

I have come to the conclusion that I will have to add another wire to it . I already have 6 wires on it for 10 , 20 and 40 metres and am running out of places to tie the ends to . still want to add 15 , 17 and maybe 12 metres to it . just doing 1 band at a time . I do not have enough real estate for 135' of wire , also do not have space for 75 metres so will have to do something else with it .

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> A SWR of 1.4 on 40 and 5:1 on 15 does not compute in this old mind. The
> simplest thing I know of is to make your 20 or 40 into a 2 band fan dipole
> by adding a extra wire. I made a 5 band one so a 2 band would be simple.
>
>
>
> http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg
>
>
>
> Rich, Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of fred
> Sent: Tuesday, December 13, 2011 1:30 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters
>
>
>
>
>
>
> not able to load it . SWR remains above 5:1. dipole is approx 34 ft per side
> . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it
> covers the entire general segment without using the internal tuner on the ft
> 950 and the tuner will not match it on 15 . don't have any problem hearing
> anyone on the band. maybe that is the problem . 40 works well and I don't
> want to mess it up trying to get 15 working . I only have 3 trees and the
> hurricane fence to tie the ends to and I already have 6 wires in the air ,
> 10 , 20 and 40 metres . the balun is a bencher ZA1A.
> kd5pnt
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> , Ron Youvan <ka4inm@> wrote:
> >

> > Ken WA8JXM wrote:
> >
> > > You have not had any "luck trying to get it to work on 15 meters" in
> what way? Can't hear anything?
> > > Can't load it? Nobody answers you?
> >
> > > A 40m dipole WILL work on 15, I did that back in my novice days and I've
> done it since then. Heck, I
> > > even use my 40m dipole on 30m, and worked VK with it.
> >
> > I worked my Elmer in 15 meters weekly, one day he used his 40 meter dipole
> (his emergency 15
> > meter antenna) instead of his tri-band "L" antenna, few could hear him,
> all that could said he was
> > weak as water. I think it works, but it is quite inefficient.
> > --
> > Ron KA4INM - Ron KA4INM - Did you know ...
> > ... that no-one ever reads these things?
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21286. AW: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 22:01:37 UTC
From: siegfried.jackstien
Topic: 21261 Message: 21286

Make the antenna a bit longer that it will resonate on 7.050 or 7.075
(something in that range) ... that should lower the swr on 15 and should
still be tuneable on the whole 40m band
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von fred
> Gesendet: Dienstag, 13. Dezember 2011 19:30
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: using 40 meter dipole on 15 meters
>
>
>
> not able to load it . SWR remains above 5:1. dipole is approx 34 ft per
> side . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 .
> it covers the entire general segment without using the internal tuner on
> the ft 950 and the tuner will not match it on 15 . don't have any problem
> hearing anyone on the band. maybe that is the problem . 40 works well and
> I don't want to mess it up trying to get 15 working . I only have 3 trees
> and the hurricane fence to tie the ends to and I already have 6 wires in
> the air , 10 , 20 and 40 metres . the balun is a bencher ZA1A.
> kd5pnt
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , Ron Youvan <ka4inm@...> wrote:
> >
> > Ken WA8JXM wrote:
> >
> > > You have not had any "luck trying to get it to work on 15 meters" in
> what way? Can't hear anything?
> > > Can't load it? Nobody answers you?
> >
> > > A 40m dipole WILL work on 15, I did that back in my novice days and
> I've done it since then. Heck, I
> > > even use my 40m dipole on 30m, and worked VK with it.
> >
> > I worked my Elmer in 15 meters weekly, one day he used his 40 meter
> dipole (his emergency 15
> > meter antenna) instead of his tri-band "L" antenna, few could hear him,
> all that could said he was
> > weak as water. I think it works, but it is quite inefficient.
> > --
> > Ron KA4INM - Ron KA4INM - Did you know ...

> > ... that no-one ever reads these things?
> >
>
>
>
>

21287. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 22:05:49 UTC
From: kb7gl
Topic: 21261 Message: 21287

Have you considered the ZS6BKW antenna? Most bands do not require a tuner, and is is shorter than a G5RV. Simple to construct, although I recommend using a voltage balun(also very easy to construct).

http://www.nonstopsystems.com/radio/ZS6BKW-2.pdf

Vic, KB7GL

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> I have come to the conclusion that I will have to add another wire to it . I already have 6 wires on it for 10 , 20 and 40 metres and am running out of places to tie the ends to . still want to add 15 , 17 and maybe 12 metres to it . just doing 1 band at a time . I do not have enough real estate for 135' of wire , also do not have space for 75 metres so will have to do something else with it .
>
> --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@> wrote:
> >
> > A SWR of 1.4 on 40 and 5:1 on 15 does not compute in this old mind. The
> > simplest thing I know of is to make your 20 or 40 into a 2 band fan dipole
> > by adding a extra wire. I made a 5 band one so a 2 band would be simple.
> >
> >

21288. AW: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 22:08:00 UTC
From: siegfried.jackstien
Topic: 21261 Message: 21288

You can add the other dipoles below the 40m dipole ... no need to have all wires in different directions ... just add some spreaders to the bigger dipole were the ends of the shorter dipole will be ...
40 should work well on 15!! So only 12 and 17 need to be added ...
And you also can add 80m with bending the ends back ... or to a different support ...
The most radiation comes from the centre of the dipole so you can zig-zag the ends without much trouble

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von fred
> Gesendet: Dienstag, 13. Dezember 2011 21:56
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: using 40 meter dipole on 15 meters
>
>
>
> I have come to the conclusion that I will have to add another wire to it .
> I already have 6 wires on it for 10 , 20 and 40 metres and am running out
> of places to tie the ends to . still want to add 15 , 17 and maybe 12
> metres to it . just doing 1 band at a time . I do not have enough real
> estate for 135' of wire , also do not have space for 75 metres so will
> have to do something else with it .
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
> >
> > A SWR of 1.4 on 40 and 5:1 on 15 does not compute in this old mind. The
> > simplest thing I know of is to make your 20 or 40 into a 2 band fan
> dipole
> > by adding a extra wire. I made a 5 band one so a 2 band would be simple.
> >
> >
> >
> > http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg
> >
> >
> >
> > Rich, Kd0zz
> >
> >

> >
> > From: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] On
> > Behalf Of fred
> > Sent: Tuesday, December 13, 2011 1:30 PM
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters
> >
> >
> >
> >
> >
> > not able to load it . SWR remains above 5:1. dipole is approx 34 ft per
> side
> > . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it
> > covers the entire general segment without using the internal tuner on
> the ft
> > 950 and the tuner will not match it on 15 . don't have any problem
> hearing
> > anyone on the band. maybe that is the problem . 40 works well and I
> don't
> > want to mess it up trying to get 15 working . I only have 3 trees and
> the
> > hurricane fence to tie the ends to and I already have 6 wires in the air
> ,
> > 10 , 20 and 40 metres . the balun is a bencher ZA1A.
> > kd5pnt
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> > , Ron Youvan <ka4inm@> wrote:
> > >
> > > Ken WA8JXM wrote:
> > >
> > > > You have not had any "luck trying to get it to work on 15 meters" in
> > what way? Can't hear anything?
> > > > Can't load it? Nobody answers you?
> > >
> > > > A 40m dipole WILL work on 15, I did that back in my novice days and
> I've
> > done it since then. Heck, I
> > > > even use my 40m dipole on 30m, and worked VK with it.
> > >
> > > I worked my Elmer in 15 meters weekly, one day he used his 40 meter
> dipole
> > (his emergency 15
> > > meter antenna) instead of his tri-band "L" antenna, few could hear
> him,
> > all that could said he was

> > > weak as water. I think it works, but it is quite inefficient.
> > > --
> > > Ron KA4INM - Ron KA4INM - Did you know ...
> > > ... that no-one ever reads these things?
> > >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
>

21289. Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 22:10:35 UTC
From: David Myers
Topic: 21261 Message: 21289

Hi Fred,

The problem is the 40 metre frequency. Do the Math. 7.2375 Mhz X 3 = 21.7125 Mhz. Resonant Out of Band!!
You are trying to load it around 21.200 I assume. No wonder the SWR is very high.

As suggested, run a 15 metre dipole in parallel with the 40 metre one on the same feed line and tune to where you require it.
That will fix the problem - or retune the 40 metre to around 7.100. (7.1 X 3 = 21.300 Mhz).

73

Dave VK2RD / VE3DFK

-----Original Message-----
From: fred
Sent: Wednesday, December 14, 2011 6:29 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

not able to load it . SWR remains above 5:1. dipole is approx 34 ft per side . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it covers the entire general segment without using the internal tuner on the ft 950 and the tuner will not match it on 15 . don't have any problem hearing anyone on the band. maybe that is the problem . 40 works well and I don't want to mess it up trying to get 15 working . I only have 3 trees and the hurricane fence to tie the ends to and I already have 6 wires in the air , 10 , 20 and 40 metres . the balun is a bencher ZA1A.
kd5pnt

21290. Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 22:23:56 UTC
From: kd8dvy@ymail.com
Topic: 21234 Message: 21290

My 1st antenna was a 80m OCF fed with a balun and 50 ohm coax to a FT-817. My 1st contact was to Venezuela PSK31 5w. The antenna was up 30'. After that I received a manual tuner that had a bad solder point (did not know this until after trying SSB). Once I fixed it I was off to the contacts.

The antenna I have up now is a fan dipole cut for 80 fed with 100' of 450 ladder line into the shack where it meets a 4:1 balun and 3' of 50 ohm coax.

In both cases the balun was homebrewed by KD9DVY.

Harold/KD8DVY

--- In ham-antennas@yahoogroups.com, Joseph Lankford II <du1_ks4dk@...> wrote:
>
> First HF antennas were 80M Inverted-V and Hygain 14AVQ mounted on the roof.
>
> Both worked Great!
>
> 73, JJ DU1/KS4DK
>
>
>
> _____
>
> [Non-text portions of this message have been removed]
>

21291. RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 22:24:17 UTC
From: Richard Schmuke
Topic: 21261 Message: 21291

UH, duh, I wish I did have numbers on it. I can tell you the first time I made it that it only worked well on 75M the other bands required additional wire, about a foot on 40 down to 6" on ten. I ran it between a couple of poles about 5 ft off the ground and trimmed it to a dip at the frequency's I wanted to operate then hoisted it up and all was fine. If you try one and have the wires spaced close like mine there will be interaction between the bands so trim the lowest frequency first and work your way up. The farther apart the wires are the less interaction, on mine as you can see there were about a little under 2 inches. Spacers were home made from a section of PVC conduit split into 4 sections and the drill slip fit for the wire used. It has been replaced with a much better antenna yet it is still in use at KC0ZIU's place. It was a good antenna and required one pulley at the center for a quick change.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Larry Tooley
Sent: Tuesday, December 13, 2011 3:45 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Great!!! Have dimensions on it?
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Tuesday, December 13, 2011 2:48 PM
Subject: RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

A SWR of 1.4 on 40 and 5:1 on 15 does not compute in this old mind. The simplest thing I know of is to make your 20 or 40 into a 2 band fan dipole by adding a extra wire. I made a 5 band one so a 2 band would be simple.

http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>]
On
Behalf Of fred
Sent: Tuesday, December 13, 2011 1:30 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

not able to load it . SWR remains above 5:1. dipole is approx 34 ft per
side
. the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it
covers the entire general segment without using the internal tuner on the
ft
950 and the tuner will not match it on 15 . don't have any problem hearing
anyone on the band. maybe that is the problem . 40 works well and I don't
want to mess it up trying to get 15 working . I only have 3 trees and the
hurricane fence to tie the ends to and I already have 6 wires in the air ,
10 , 20 and 40 metres . the balun is a bencher ZA1A.
kd5pnt

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

<mailto:ham-antennas%40yahoogroups.com>
, Ron Youvan <ka4inm@...> wrote:
>
> Ken WA8JXM wrote:
>
> > You have not had any "luck trying to get it to work on 15 meters" in
what way? Can't hear anything?
> > Can't load it? Nobody answers you?
>
> > A 40m dipole WILL work on 15, I did that back in my novice days and
I've
done it since then. Heck, I
> > even use my 40m dipole on 30m, and worked VK with it.
>
> I worked my Elmer in 15 meters weekly, one day he used his 40 meter
dipole
(his emergency 15
> meter antenna) instead of his tri-band "L" antenna, few could hear him,
all that could said he was
> weak as water. I think it works, but it is quite inefficient.
> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21292. AW: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 22:34:28 UTC
From: siegfried.jackstien
Topic: 21211 Message: 21292

The windowline is more to 400 ohms than to 450
As far as I know the different window lines are between 360 and 390 ohms ...
So 2 of them and a 1:4 and you are well matched ...
And if you use a halfwave length (or better say multiple of that) then it should work very broadband and with low loss
Dg9bfc
Sigi
Ps ... open wire can easy be twisted ... use a t bar on-top of every second post ... start vertical (lower and upper insulator on a fence post)
Insulators on next are left and right ... and so on ... and some spreaders between the posts to hold the distance

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Artekmedia
> Gesendet: Dienstag, 13. Dezember 2011 19:17
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
> I have seen one reference on one distributors web (DXE ?) site that
> says the 450 ohm window line is really closer to 400ohm. I think when I
> get to that point I will actually measure it
>
> Dave
> NR1DX
>
> On 12/13/2011 12:43 PM, MIKE DURKIN wrote:
> >
> > That's so simple it should of ocurred to me .... 450/2=225ohm.... but
> > 3 runs of 600ohm line ... hummg .... wonder how much separation is
> > needed from each run.
> >
> > Mike KC7NOA
> >
> > > To: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> > > From: jobarden422@... <mailto:jobarden422%40msn.com>
> <mailto:jobarden422%40msn.com>
> > > Date: Tue, 13 Dec 2011 17:20:46 +0000
> > > Subject: RE: [ham-antennas] 500' feed lines , Part 2
> > >
> > >
> > > Hi Dave

> > >
> > > I have tried to mail it to you but just got bounced back, if you
> > mail me direct off group I will send it to you.
> > >
> > > Jon
> > >
> > > G6UWK
> > >
> > > To: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> > > From: nr1dx@... <mailto:nr1dx%40arrl.net>
> <mailto:nr1dx%40arrl.net>
> > > Date: Tue, 13 Dec 2011 10:50:31 -0600
> > > Subject: Re: [ham-antennas] 500' feed lines , Part 2
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > Actually a very good point since all the lines should be the same
> > >
> > > length essentially paralleling the 4 lines should work. The combined
> > >
> > > impedance would be on the order of 100 ohms for 4 lines and then a 2:1
> > >
> > > balun (4: 1 in the case of the 2 parallel lines) makes the case for
> > >

> > > only having 2 lines more compelling even for high power. the added
> cost
> > >
> > > of he two extra lines only buys you an extra .35db of signal
> > >
> > >
> > >
> > > In another application I created a 25 ohm 1/4 wave stub by paralleling
> > >
> > > two 1/4 wave sections of 50 ohm coax once
> > >
> > >
> > >
> > > Dave
> > >
> > > NR1DX
> > >
> > >
> > >
> > > On 12/13/2011 10:38 AM, Ron Youvan wrote:
> > >
> > > >
> > >
> > > > MIKE <call sign here> DURKIN wrote:
> > >
> > > >
> > >
> > > > > Ok, I'm eventually going to be doing the same thing .... 'cept
> > >
> > > > slightly over 1000'.
> > >
> > > >
> > >
> > > > > I'm not sure of cost ... but why not use power splitters .. and
> > >
> > > > simpler 1:9 transformers ...
> > >
> > > >
> > >
> > > > > Like 4 250w SS PA's ... without the transistors.
> > >
> > > >
> > >
> > > > > It will handle the power and broadband ...
> > >
> > > >
> > >
> > > > I don't see the application of power splitters in this design, where
> > >
> > > > do they come in?

> > >
> > > > --
> > >
> > > > Ron KA4INM - Ron KA4INM - Did you know ...
> > >
> > > > ... that no-one ever reads these things?
> > >
> > > > >
> > >
> > > > >
> > >
> > >
> > >
> > > --
> > >
> > > Dave& Lynn Henderson
> > >
> > > Manuals@ArtekMedia.com <mailto:Manuals%40ArtekMedia.com>
> <mailto:Manuals%40ArtekMedia.com>
> > >
> > > www.Artekmedia.com
> > >
> > > PO Box 175
> > >
> > > Welch,MN 55089
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >

> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY
> > be cause for suspension. Moderators WILL have final say in these
> matters.
> > > Post message: ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>
> > > Subscribe: ham-antennas-subscribe@...m <mailto:ham-
> antennas-subscribe%40yahoogroups.com>
> > <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com <mailto:ham-
> antennas-unsubscribe%40yahoogroups.com>
> > <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > > List owner: ham-antennas-owner@yahoogroups.com <mailto:ham-antennas-
> owner%40yahoogroups.com>
> > <mailto:ham-antennas-owner%40yahoogroups.com>
> > > Yahoo! Groups Links
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@ArtekMedia.com <mailto:Manuals%40ArtekMedia.com>
> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
> [Non-text portions of this message have been removed]
>
>
>
>

21293. Re: [ham-antennas] Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 22:40:44 UTC
From: Don Sanders
Topic: 21234 Message: 21293

Another option for the vertical ground instead of radials is two runs of 30 to 40 feet long heavy chicken wire about 1 meter wide laid on the ground and crossing in the middle. Mount the vertical at the center of the cross. Connect the chicken wire together and to the coax shield. Several serious DXers use this method.

Dr Don HC4/W4BWS

[Non-text portions of this message have been removed]

21294. Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 22:41:01 UTC
From: Larry Tooley
Topic: 21261 Message: 21294

Great advice. The lengths can be configured now. And yes that is the best way to tune it. Have the old ARRL GDO in the outbuilding I can use. Better turn it on and test it first. Maybe recap it. I do feel that antenna is the best. All band and matched to the feedline and transmitter.
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 13, 2011 4:24 PM
Subject: RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

UH, duh, I wish I did have numbers on it. I can tell you the first time I made it that it only worked well on 75M the other bands required additional
wire, about a foot on 40 down to 6" on ten. I ran it between a couple of poles about 5 ft off the ground and trimmed it to a dip at the frequency's I
wanted to operate then hoisted it up and all was fine. If you try one and have the wires spaced close like mine there will be interaction between the
bands so trim the lowest frequency first and work your way up. The farther apart the wires are the less interaction, on mine as you can see there were
about a little under 2 inches. Spacers were home made from a section of PVC
conduit split into 4 sections and the drill slip fit for the wire used. It has been replaced with a much better antenna yet it is still in use at KC0ZIU's place. It was a good antenna and required one pulley at the center
for a quick change.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Larry Tooley
Sent: Tuesday, December 13, 2011 3:45 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Great!!! Have dimensions on it?
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Tuesday, December 13, 2011 2:48 PM
Subject: RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

A SWR of 1.4 on 40 and 5:1 on 15 does not compute in this old mind. The simplest thing I know of is to make your 20 or 40 into a 2 band fan dipole by adding a extra wire. I made a 5 band one so a 2 band would be simple.

http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
]
On
Behalf Of fred
Sent: Tuesday, December 13, 2011 1:30 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

not able to load it . SWR remains above 5:1. dipole is approx 34 ft per
side
. the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it
covers the entire general segment without using the internal tuner on the
ft
950 and the tuner will not match it on 15 . don't have any problem hearing
anyone on the band. maybe that is the problem . 40 works well and I don't
want to mess it up trying to get 15 working . I only have 3 trees and the
hurricane fence to tie the ends to and I already have 6 wires in the air ,
10 , 20 and 40 metres . the balun is a bencher ZA1A.
kd5pnt

--- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>

<mailto:ham-antennas%40yahoogroups.com>
, Ron Youvan <ka4inm@...> wrote:
>
> Ken WA8JXM wrote:
>
> > You have not had any "luck trying to get it to work on 15 meters" in
what way? Can't hear anything?
> > Can't load it? Nobody answers you?
>
> > A 40m dipole WILL work on 15, I did that back in my novice days and
I've
done it since then. Heck, I
> > even use my 40m dipole on 30m, and worked VK with it.
>
> I worked my Elmer in 15 meters weekly, one day he used his 40 meter
dipole
(his emergency 15
> meter antenna) instead of his tri-band "L" antenna, few could hear him,
all that could said he was
> weak as water. I think it works, but it is quite inefficient.

> --
> Ron KA4INM - Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21295. RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-13 23:07:18 UTC
From: Richard Schmuke
Topic: 21261 Message: 21295

If you want to do math it is even worse than the numbers you came up with. The basic dipole measurement is 234/F MHz per side but when you are talking about a 3/4wl dipole or 15 on a forty the first 1/2wl of the 3/4wl you don't have a end effect so the number for that section is 495/ F MHz not the normal 468 so it is even a little farther off.

A fan would solve the problem.

Rich, Kd0zz

Subject: Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Hi Fred,

The problem is the 40 metre frequency. Do the Math. 7.2375 Mhz X 3 = 21.7125 Mhz. Resonant Out of Band!!
You are trying to load it around 21.200 I assume. No wonder the SWR is very high.

As suggested, run a 15 metre dipole in parallel with the 40 metre one on the

same feed line and tune to where you require it.
That will fix the problem - or retune the 40 metre to around 7.100. (7.1 X 3 = 21.300 Mhz).

73

Dave VK2RD / VE3DFK

-----Original Message-----
From: fred
Sent: Wednesday, December 14, 2011 6:29 AM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

not able to load it . SWR remains above 5:1. dipole is approx 34 ft per side . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it covers the entire general segment without using the internal tuner on the ft

950 and the tuner will not match it on 15 . don't have any problem hearing anyone on the band. maybe that is the problem . 40 works well and I don't want to mess it up trying to get 15 working . I only have 3 trees and the hurricane fence to tie the ends to and I already have 6 wires in the air , 10 , 20 and 40 metres . the balun is a bencher ZA1A.
kd5pnt

[Non-text portions of this message have been removed]

21296. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 02:27:36 UTC
From: Artekmedia
Topic: 21211 Message: 21296

A good thought Jon !

Since I do all my own balun work it would be definitely be cheaper than building a 4 wire line that I could match with a 4:1

Building an optimum 12:1 for 1 to 10Mhz and then another one for 14 to 28 is certainly much less of a challenge! The 600 ohm line is easy enough to DC isolate and use as the control line for the far relays that switch the two baluns.

Using my earlier cost analysis then for a 500' 2 wire system , $140 worth of wire and $40 for baluns would get me a feed system with .9dB loss at 30 MHz maybe less if the balun designs are really good.

Dave
NR1DX

On 12/13/2011 1:46 PM, jo barden wrote:
> How about the the 600ohm line but with 2 baluns at each end one for low and one for high that are relay switched in? Now I know it is another cable and yes it cannot be too close to feed but best of both worlds? Conversly an old touring caravan close to antenna as the shack.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: doldridg@...
> Date: Tue, 13 Dec 2011 11:42:53 -0800
> Subject: Re: [ham-antennas] 500' feed lines , Part 2
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
> On 12/12/2011 12:15 PM, Artekmedia wrote:
>
>> Earlier I posted on the group asking for experience with very long (a
>> 100' is nothing) open wire feed lines sighting a faintly remember
>> article in 73 (which I never did find) that used 4 wires instead of 2
>> and how you match that to 50 ohms on each end
>> To date these are the requirements and what I have gleaned so far and a
>> plan is slowly forming
>> 1) This will be the main feed line for all antennas from 160M -10M
>> 2) The antenna farm is about 500' away from the shack
>> 3) The ability to match to 50 ohm line on both ends is a necessity.
>> Tower and beam on on end, typical transceiver on the other
>> 4) Antenna tuners are not an option for many reasons so the system must
>> be broad band and very low loss
>> Here are some of the things I have discovered so far
>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and
>> not terribly expensive, losses of less than .25 db at 30 MHz are not
>> unrealistic to expect.
>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms
>> at both ends. Truly flat low loss 16:1 baluns that cover the entire
>> frequency range are hard to build with most designs covering 1.8 to 14
>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs
>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one
>> possible solution but at a higher insertion loss, and broad band
>> performance appears to be tricky
>> 3) I now suspect the earlier article which used 4 wires which were
>> chosen to lower the feed line impedance to 200 ohms for an easier broad
>> band match using 4:1 baluns which are easier to construct and are
>> better behaved over the frequency range than the 16:1 baluns
>> Next thought exercise
>> 1) construct a 4 wire 200hm line. This requires spacing on the order of
>> 1.75" using #12. probably needs lots of spacers to be well behaved.
>> 2) Another possibility is to use two 450 ohm ladder lines spaced
>> comfortably apart and connected in parallel (effectively giving 225
>> ohms . I am told that the #14 version of the 450ohm line is actually
>> closer to 400ohms ...can anyone verify this ?
>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?

>> More thoughts? Suggestions?
>>
>
>
> These lines are low loss when the air is dry. They deteriorate badly in
>
> rain.
>
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

21297. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 13:27:57 UTC
From: fred
Topic: 21261 Message: 21297

have already decided to just add another pair of wires . that's the major part of the problem , my math skills are not good . I'm one that can work the same problem 3 times and get 3 different answers :<) . I'm just running out of places to tie the wire ends to . already have 6 wires up .

andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> If you want to do math it is even worse than the numbers you came up with.
> The basic dipole measurement is 234/F MHz per side but when you are talking
> about a 3/4wl dipole or 15 on a forty the first 1/2wl of the 3/4wl you don't
> have a end effect so the number for that section is 495/ F MHz not the
> normal 468 so it is even a little farther off.
>
> A fan would solve the problem.
>
> Rich, Kd0zz
>
>
>
> Subject: Re: [ham-antennas] Re: using 40 meter dipole on 15 meters
>
>
>
>
>
>
> Hi Fred,
>
> The problem is the 40 metre frequency. Do the Math. 7.2375 Mhz X 3 =
> 21.7125 Mhz. Resonant Out of Band!!
> You are trying to load it around 21.200 I assume. No wonder the SWR is very
> high.
>
> As suggested, run a 15 metre dipole in parallel with the 40 metre one on the
>
> same feed line and tune to where you require it.
> That will fix the problem - or retune the 40 metre to around 7.100. (7.1 X
> 3 = 21.300 Mhz).
>
> 73
>
> Dave VK2RD / VE3DFK
>

> -----Original Message-----
> From: fred
> Sent: Wednesday, December 14, 2011 6:29 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters
>
> not able to load it . SWR remains above 5:1. dipole is approx 34 ft per
> side . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it
> covers the entire general segment without using the internal tuner on the ft
>
> 950 and the tuner will not match it on 15 . don't have any problem hearing
> anyone on the band. maybe that is the problem . 40 works well and I don't
> want to mess it up trying to get 15 working . I only have 3 trees and the
> hurricane fence to tie the ends to and I already have 6 wires in the air ,
> 10 , 20 and 40 metres . the balun is a bencher ZA1A.
> kd5pnt
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21298. RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 14:21:50 UTC
From: Richard Schmuke
Topic: 21261 Message: 21298

It is simple to go to Lowe’s or Home Depot and next to the rope you will find 3 different sizes of plastic pulleys, for a couple buck each you can support your dipole on a pulley and it will be easy to raise, lower and adjust. You can always leave it a little long then check and trim. That the way us’ins do it out in the country. A friend of mine, W0SZV has his 1200ft loop supported with theses pulleys so they will hold up.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

have already decided to just add another pair of wires . that's the major part of the problem , my math skills are not good . I'm one that can work the same problem 3 times and get 3 different answers :<) . I'm just running out of places to tie the wire ends to . already have 6 wires up .

andrew
kd5pnt

--- In ham-antennas@...m <mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
>
> If you want to do math it is even worse than the numbers you came up with.
> The basic dipole measurement is 234/F MHz per side but when you are talking
> about a 3/4wl dipole or 15 on a forty the first 1/2wl of the 3/4wl you don't
> have a end effect so the number for that section is 495/ F MHz not the
> normal 468 so it is even a little farther off.
>
> A fan would solve the problem.
>
> Rich, Kd0zz
>
>
>
> Subject: Re: [ham-antennas] Re: using 40 meter dipole on 15 meters
>
>
>
>
>
>
> Hi Fred,
>
> The problem is the 40 metre frequency. Do the Math. 7.2375 Mhz X 3 =
> 21.7125 Mhz. Resonant Out of Band!!
> You are trying to load it around 21.200 I assume. No wonder the SWR is very

> high.
>
> As suggested, run a 15 metre dipole in parallel with the 40 metre one on the
>
> same feed line and tune to where you require it.
> That will fix the problem - or retune the 40 metre to around 7.100. (7.1 X
> 3 = 21.300 Mhz).
>
> 73
>
> Dave VK2RD / VE3DFK
>
> -----Original Message-----
> From: fred
> Sent: Wednesday, December 14, 2011 6:29 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters
>
> not able to load it . SWR remains above 5:1. dipole is approx 34 ft per
> side . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it
> covers the entire general segment without using the internal tuner on the ft
>
> 950 and the tuner will not match it on 15 . don't have any problem hearing
> anyone on the band. maybe that is the problem . 40 works well and I don't
> want to mess it up trying to get 15 working . I only have 3 trees and the
> hurricane fence to tie the ends to and I already have 6 wires in the air ,
> 10 , 20 and 40 metres . the balun is a bencher ZA1A.
> kd5pnt
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

21299. Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 14:23:43 UTC
From: Ken
Topic: 21261 Message: 21299

On Dec 14, 2011, at 8:27 AM, fred wrote:

> have already decided to just add another pair of wires . that's the major part of the problem , my math skills are not good . I'm one that can work the same problem 3 times and get 3 different answers :<) . I'm just running out of places to tie the wire ends to .
> already have 6 wires up .

Fan dipoles are great for two or three bands. When you start getting into 5,6,7 bands, the interactions get more complex. Prune one and it affects two others, etc.

Also, IIRC, because of "end effects" resonance is not exactly 3x the fundamental frequency.

Above all, do not confuse "resonance" with low SWR, They are unrelated! A 1:1 SWR does not mean the antenna is at resonance and "resonance" does not assure a low SWR.

Resonance is overrated, IMO.

If you want a single antenna for a half dozen different bands, a 100' long dipole fed with ladder line or open wire to a balun and tuner is a much better way to go IMO.

Ken WA8JXM

21300. RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 15:23:18 UTC
From: Richard Schmuke
Topic: 21261 Message: 21300

If you want a single antenna for a half dozen different bands, a 100' long dipole fed with ladder line or open wire to a balun and tuner is a much better way to go IMO.

Ken WA8JXM

I agree with Ken about a large dipole, during the 10meter contest over the weekend I used a 135 dipole feed with ladder line and a loop. It is broadside N/S but on 10M it is 8 times the length of a 1/2wl dipole and has great lobes off the ends into Europe and the far east. The signal strength was several S units better than my loop by using the ends of the dipole. In mid day working the north and south America's the loop was about the same.

Rich, Kd0zz

[Non-text portions of this message have been removed]

21301. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 16:37:49 UTC
From: kb7gl
Topic: 21261 Message: 21301

Completely agree -- one can make this more complicated than it needs to be. (Re:, my earlier comment about the ZS6BKW antenna.) I like the KISS method...

Vic, KB7GL

--- In ham-antennas@yahoogroups.com, Ken <wa8jxm@...> wrote:
>
>

> If you want a single antenna for a half dozen different bands, a 100' long dipole fed with ladder line or open wire to a balun and tuner is a much better way to go IMO.
>
> Ken WA8JXM
>

21302. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 17:14:50 UTC
From: jo barden
Topic: 21211 Message: 21302

Hi Dave

Hopefully you can see it I have done you discs anyway so will post to you.

Jon

To: ham-antennas@yahoogroups.com
From: nr1dx@...
Date: Tue, 13 Dec 2011 20:27:36 -0600
Subject: Re: [ham-antennas] 500' feed lines , Part 2

A good thought Jon !

Since I do all my own balun work it would be definitely be cheaper than

building a 4 wire line that I could match with a 4:1

Building an optimum 12:1 for 1 to 10Mhz and then another one for 14 to

28 is certainly much less of a challenge! The 600 ohm line is easy

enough to DC isolate and use as the control line for the far relays that

switch the two baluns.

Using my earlier cost analysis then for a 500' 2 wire system , $140

worth of wire and $40 for baluns would get me a feed system with .9dB

loss at 30 MHz maybe less if the balun designs are really good.

Dave

NR1DX

On 12/13/2011 1:46 PM, jo barden wrote:

> How about the the 600ohm line but with 2 baluns at each end one for low and one for high that are relay switched in? Now I know it is another cable and yes it cannot be too close to feed but best of both worlds? Conversly an old touring caravan close to antenna as the shack.

>

> Jon

>

> G6UWK

>

> To: ham-antennas@yahoogroups.com

> From: doldridg@...

> Date: Tue, 13 Dec 2011 11:42:53 -0800

> Subject: Re: [ham-antennas] 500' feed lines , Part 2

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

>

> On 12/12/2011 12:15 PM, Artekmedia wrote:

>

>> Earlier I posted on the group asking for experience with very long (a

>> 100' is nothing) open wire feed lines sighting a faintly remember

>> article in 73 (which I never did find) that used 4 wires instead of 2

>> and how you match that to 50 ohms on each end

>> To date these are the requirements and what I have gleaned so far and a

>> plan is slowly forming

>> 1) This will be the main feed line for all antennas from 160M -10M

>> 2) The antenna farm is about 500' away from the shack

>> 3) The ability to match to 50 ohm line on both ends is a necessity.

>> Tower and beam on on end, typical transceiver on the other

>> 4) Antenna tuners are not an option for many reasons so the system must

>> be broad band and very low loss

>> Here are some of the things I have discovered so far

>> 1) a 500' open wire 600 ohm line would be reasonable to assemble and

>> not terribly expensive, losses of less than .25 db at 30 MHz are not

>> unrealistic to expect.

>> 2) The 600 ohm line would require a 16:1 balun to convert it to 50 ohms

>> at both ends. Truly flat low loss 16:1 baluns that cover the entire

>> frequency range are hard to build with most designs covering 1.8 to 14

>> MHZ or 14 MHZ to 30 MHz well but not the full range, Multi-balun designs

>> using a 1:4 feeding a 1:3 often using 2 or 3 cores seem to be one

>> possible solution but at a higher insertion loss, and broad band

>> performance appears to be tricky

>> 3) I now suspect the earlier article which used 4 wires which were

>> chosen to lower the feed line impedance to 200 ohms for an easier broad

>> band match using 4:1 baluns which are easier to construct and are

>> better behaved over the frequency range than the 16:1 baluns

>> Next thought exercise

>> 1) construct a 4 wire 200hm line. This requires spacing on the order of

>> 1.75" using #12. probably needs lots of spacers to be well behaved.

>> 2) Another possibility is to use two 450 ohm ladder lines spaced

>> comfortably apart and connected in parallel (effectively giving 225

>> ohms . I am told that the #14 version of the 450ohm line is actually

>> closer to 400ohms ...can anyone verify this ?

>> Anyone have loss figures/100 ft for the #14-450 ohm line at 30 MHz?

>> More thoughts? Suggestions?

>>

>

>

> These lines are low loss when the air is dry. They deteriorate badly in

>

> rain.

>

>

>

--

Dave& Lynn Henderson

Manuals@...

www.Artekmedia.com

PO Box 175

Welch,MN 55089

[Non-text portions of this message have been removed]

21303. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 19:00:50 UTC
From: Bob Richie
Topic: 21261 Message: 21303

I'm glad VE3FMC mentioned the Antron A99 working 15 meters. Yesterday I had a long QSO with VE5CDO on 15 meters and he was using an A99. I was using a Hy Gain AV 640. He was peaking S9+10 in South Texas. Since all antennas are compromises, the A99 is another that works for just a few bucks. I have one and have worked 10 through 20 meters on it with an LDG Z100 autotuner.

Bob
K5YB
Kerrville, TX 78028

[Non-text portions of this message have been removed]

21304. Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 19:10:47 UTC
From: dean
Topic: 21261 Message: 21304

What’s real nice about the A-99 is no long ground radials. I live in Central California and have worked Australia and the like on my A-99. Great antenna.

73, WY6L

From: Bob Richie
Sent: Wednesday, December 14, 2011 11:00 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

I'm glad VE3FMC mentioned the Antron A99 working 15 meters. Yesterday I had a long QSO with VE5CDO on 15 meters and he was using an A99. I was using a Hy Gain AV 640. He was peaking S9+10 in South Texas. Since all antennas are compromises, the A99 is another that works for just a few bucks. I have one and have worked 10 through 20 meters on it with an LDG Z100 autotuner.

Bob
K5YB
Kerrville, TX 78028

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21305. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 19:22:49 UTC
From: Todd F. Carney
Topic: 21261 Message: 21305

*I don't think I missed this idea in this discussion: how about a 15m trap
on the 40m wire?*
*
*
*--Todd
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"You don't have to believe everything you think." --Anonymous
*
*
*
*

[Non-text portions of this message have been removed]

21306. Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 20:00:15 UTC
From: richard
Topic: 21306 Message: 21306

Hi
has anyone tried using anodised aluminium wire for antennas, the surface resistivity isn't too bad and the gain is weight, but what about strength compared to hard drawn copper, the price of copper is now very high.

73 Richard G8JVM

21307. RE: [ham-antennas] Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 20:08:21 UTC
From: jo barden
Topic: 21306 Message: 21307

Hi Richard

depending on depth of Anodising the corrosion protection may be limited. I seem to remember Sigi posting about using Aluminium welding wire a while back. I know Copper is going up but I just buy either enamelled Copper wire by 1/2Kg (I live near Rapid Electronics) or use multi-strand flexible with sheath and use that.

I know that both of these not being Cold drawn are subject to stretching but that is what my tuner is for. I know Rapid and I am sure other electronic shops have a marked down bin. I got about 500ft of multi-strand for a couple of pounds as the reel had been damaged and it was in a great big knot. Hour later I had it all coiled up and ready to use. The Ariel doesn't care that it was in a knot before use.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: richard.bown@...
Date: Wed, 14 Dec 2011 20:00:15 +0000
Subject: [ham-antennas] Wire antenna material

Hi

has anyone tried using anodised aluminium wire for antennas, the surface

resistivity isn't too bad and the gain is weight, but what about strength

compared to hard drawn copper, the price of copper is now very high.

73 Richard G8JVM

[Non-text portions of this message have been removed]

21308. Re: [ham-antennas] Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 20:45:23 UTC
From: Ken
Topic: 21306 Message: 21308

On Dec 14, 2011, at 3:00 PM, richard wrote:

> has anyone tried using anodised aluminium wire for antennas, the surface
> resistivity isn't too bad and the gain is weight, but what about strength
> compared to hard drawn copper, the price of copper is now very high.

You can't solder to aluminum, of course, so then you depend on a mechanical connection only with something which may cold flow and/or corrode.

I don't know that copper is all that excessively priced. You can get 500# of #14 insulated THHN for $50 or #12 for 80# at Lowes. Likewise you can get copper clad wire from several ham suppliers at quite reasonable prices. Copper antenna wire is cheap compared to the coax to feed it.

I don't see the price of decent antenna wire being significant.

Now if you are talking about putting in 5000' of 160m radials, well then that's a different story.

Ken WA8JXM

21309. Re: [ham-antennas] Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 20:57:21 UTC
From: richard
Topic: 21306 Message: 21309

On Wed, 14 Dec 2011 15:45:23 -0500
Ken <wa8jxm@...> wrote:

>
> On Dec 14, 2011, at 3:00 PM, richard wrote:
>
> > has anyone tried using anodised aluminium wire for antennas, the surface
> > resistivity isn't too bad and the gain is weight, but what about strength
> > compared to hard drawn copper, the price of copper is now very high.
>
>
> You can't solder to aluminum, of course, so then you depend on a mechanical
> connection only with something which may cold flow and/or corrode.
>
> I don't know that copper is all that excessively priced. You can get 500# of
> #14 insulated THHN for $50 or #12 for 80# at Lowes. Likewise you can get
> copper clad wire from several ham suppliers at quite reasonable prices.
> Copper antenna wire is cheap compared to the coax to feed it.
>
> I don't see the price of decent antenna wire being significant.
>
> Now if you are talking about putting in 5000' of 160m radials, well then
> that's a different story.
>
> Ken WA8JXM

Corrosion is not much of a problem with anodised Al, and I always use
clamp/crimp connections. Cu prices are much lower in the US, by the prices you
quoted.

Richard

21310. Re: using 40 metre dipole on 15 metres

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 21:34:06 UTC
From: James
Topic: 21261 Message: 21310

Hi....

For a year, I used a 40m dipole with open wire feeder, cut for SSB; could never get it to a reasonable swr on 15m. Always astounded me... usually the Johnson Matchbox would load anything! Went to a trapped vertical... never looked back!

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> since 15 metres is a harmonic of 40 and my 40 metre dipole is cut for low swr at the centre frequency of the general band segment , approx. 34 ft/side . I have not had any luck trying to get it to work on 15 metres . what do I need to do to gat it to work ?
> kd5pnt
>

21311. rust

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 21:34:38 UTC
From: K5jyd
Topic: 21311 Message: 21311

An old timer once told me that stranded wire would rust inside and when the wind blew the movement of the stranded wire would generate noise so he always used solid wire for his antennas.
k5jyd

[Non-text portions of this message have been removed]

21312. Re: rust

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 22:12:38 UTC
From: Jim Whitaker
Topic: 21311 Message: 21312

--- In ham-antennas@yahoogroups.com, K5jyd <k5jyd@...> wrote:
>
> An old timer once told me that stranded wire would rust inside and when
> the wind blew the movement of the stranded wire would generate noise so
> he always used solid wire for his antennas.
> k5jyd
>
> [Non-text portions of this message have been removed]
>

Odd, copper doesn't rust! It does form a thin layer of copper oxide turning it green but should be able to lie out in the elements for hundreds of years. I myself don't like insulated wire because the insulation will decay long before the copper does.

DE N8XYN K

21313. AW: [ham-antennas] Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 22:20:53 UTC
From: siegfried.jackstien
Topic: 21306 Message: 21313

We tried welding wire on a fieldday ... but only once ... cause we found out that is "bulls..." ... it is toooo hard so breaks very easy if you are not careful while installation
One "kink" and the wire is broken ... so welding wire is no good

What we tried then on next fieldday (and what I still use) is aluminium fence wire ...
Very light, does only corrode on surface (like any other antenna made from aluminium) ... does not stretch much and so little sag in center

As I joke I tell that the wire bends upwards if the sun heats the ground under it :-)

1.6, 2 and 2.5mm is what I have seen
And a friend from me made a really big antenna with 7 of the 1.6mm wires ... slightly twisted

Dg9bfc
Sigi

Ps 200 or 300 feet on one leg??? No problem with that wire!!

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jo barden
> Gesendet: Mittwoch, 14. Dezember 2011 20:08
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Wire antenna material
>
>
> Hi Richard
>
> depending on depth of Anodising the corrosion protection may be limited. I
> seem to remember Sigi posting about using Aluminium welding wire a while
> back. I know Copper is going up but I just buy either enamelled Copper
> wire by 1/2Kg (I live near Rapid Electronics) or use multi-strand flexible
> with sheath and use that.
>
> I know that both of these not being Cold drawn are subject to stretching
> but that is what my tuner is for. I know Rapid and I am sure other
> electronic shops have a marked down bin. I got about 500ft of multi-strand
> for a couple of pounds as the reel had been damaged and it was in a great
> big knot. Hour later I had it all coiled up and ready to use. The Ariel
> doesn't care that it was in a knot before use.
>
> Jon

>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: richard.bown@...
> Date: Wed, 14 Dec 2011 20:00:15 +0000
> Subject: [ham-antennas] Wire antenna material
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> Hi
>
> has anyone tried using anodised aluminium wire for antennas, the surface
>
> resistivity isn't too bad and the gain is weight, but what about strength
>
> compared to hard drawn copper, the price of copper is now very high.
>
>
>
> 73 Richard G8JVM
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21314. AW: [ham-antennas] Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 22:22:08 UTC
From: siegfried.jackstien
Topic: 21306 Message: 21314

You can solder to aluminium with the right flux and solder!!!
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ken
> Gesendet: Mittwoch, 14. Dezember 2011 20:45
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Wire antenna material
>
>
>
>
> On Dec 14, 2011, at 3:00 PM, richard wrote:
>
> > has anyone tried using anodised aluminium wire for antennas, the surface
> > resistivity isn't too bad and the gain is weight, but what about
> strength
> > compared to hard drawn copper, the price of copper is now very high.
>
> You can't solder to aluminum, of course, so then you depend on a
> mechanical connection only with something which may cold flow and/or
> corrode.
>
> I don't know that copper is all that excessively priced. You can get 500#
> of #14 insulated THHN for $50 or #12 for 80# at Lowes. Likewise you can
> get copper clad wire from several ham suppliers at quite reasonable
> prices. Copper antenna wire is cheap compared to the coax to feed it.
>
> I don't see the price of decent antenna wire being significant.
>
> Now if you are talking about putting in 5000' of 160m radials, well then
> that's a different story.
>
> Ken WA8JXM
>
>

21315. Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 22:26:45 UTC
From: From the desk of Allan Bell
Topic: 21261 Message: 21315

I’m sure not going to complain about the Antron 99 either. Mind you, my A-99 is on a 30 ft. push up mast running and a 1.5:1 and less match on 10 meters. About a month ago I talked to Japan and a couple of other countries with no problem.

Allan

From: dean
Sent: Wednesday, December 14, 2011 11:10 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

What’s real nice about the A-99 is no long ground radials. I live in Central California and have worked Australia and the like on my A-99. Great antenna.

73, WY6L

From: Bob Richie
Sent: Wednesday, December 14, 2011 11:00 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

I'm glad VE3FMC mentioned the Antron A99 working 15 meters. Yesterday I had a long QSO with VE5CDO on 15 meters and he was using an A99. I was using a Hy Gain AV 640. He was peaking S9+10 in South Texas. Since all antennas are compromises, the A99 is another that works for just a few bucks. I have one and have worked 10 through 20 meters on it with an LDG Z100 autotuner.

Bob
K5YB
Kerrville, TX 78028

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21316. Re: [ham-antennas] Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 23:33:04 UTC
From: Richard
Topic: 21306 Message: 21316

On Wed, 14 Dec 2011 22:20:53 -0000
"siegfried.jackstien" <siegfried.jackstien@...> wrote:

> We tried welding wire on a fieldday ... but only once ... cause we found out
> that is "bulls..." ... it is toooo hard so breaks very easy if you are not
> careful while installation
> One "kink" and the wire is broken ... so welding wire is no good
>
> What we tried then on next fieldday (and what I still use) is aluminium
> fence wire ...
> Very light, does only corrode on surface (like any other antenna made from
> aluminium) ... does not stretch much and so little sag in center
>
> As I joke I tell that the wire bends upwards if the sun heats the ground
> under it :-)
>
> 1.6, 2 and 2.5mm is what I have seen
> And a friend from me made a really big antenna with 7 of the 1.6mm wires ...
> slightly twisted
>
> Dg9bfc
> Sigi
>
> Ps 200 or 300 feet on one leg??? No problem with that wire!!
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von jo barden
> > Gesendet: Mittwoch, 14. Dezember 2011 20:08
> > An: ham-antennas@yahoogroups.com
> > Betreff: RE: [ham-antennas] Wire antenna material
> >
> >
> > Hi Richard
> >
> > depending on depth of Anodising the corrosion protection may be limited. I
> > seem to remember Sigi posting about using Aluminium welding wire a while
> > back. I know Copper is going up but I just buy either enamelled Copper
> > wire by 1/2Kg (I live near Rapid Electronics) or use multi-strand flexible
> > with sheath and use that.
> >
> > I know that both of these not being Cold drawn are subject to stretching
> > but that is what my tuner is for. I know Rapid and I am sure other
> > electronic shops have a marked down bin. I got about 500ft of multi-strand
> > for a couple of pounds as the reel had been damaged and it was in a great

> > big knot. Hour later I had it all coiled up and ready to use. The Ariel
> > doesn't care that it was in a knot before use.
> >
> > Jon
> >
> > G6UWK
> >
> > To: ham-antennas@yahoogroups.com
> > From: richard.bown@blueyonder.co.uk
> > Date: Wed, 14 Dec 2011 20:00:15 +0000
> > Subject: [ham-antennas] Wire antenna material
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > Hi
> >
> > has anyone tried using anodised aluminium wire for antennas, the surface
> >
> > resistivity isn't too bad and the gain is weight, but what about strength
> >
> > compared to hard drawn copper, the price of copper is now very high.
> >
> >
> >
> > 73 Richard G8JVM

> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>

--
Best wishes / 73
Richard Bown

e-mail: richard@g8jvm.com or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
##

21317. Re: [ham-antennas] Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-14 23:37:21 UTC
From: Richard
Topic: 21306 Message: 21317

On Wed, 14 Dec 2011 22:20:53 -0000
"siegfried.jackstien" <siegfried.jackstien@...> wrote:

> We tried welding wire on a fieldday ... but only once ... cause we found out
> that is "bulls..." ... it is toooo hard so breaks very easy if you are not
> careful while installation
> One "kink" and the wire is broken ... so welding wire is no good
>
> What we tried then on next fieldday (and what I still use) is aluminium
> fence wire ...
> Very light, does only corrode on surface (like any other antenna made from
> aluminium) ... does not stretch much and so little sag in center
>
> As I joke I tell that the wire bends upwards if the sun heats the ground
> under it :-)
>
> 1.6, 2 and 2.5mm is what I have seen
> And a friend from me made a really big antenna with 7 of the 1.6mm wires ...
> slightly twisted
>
> Dg9bfc
> Sigi
>
> Ps 200 or 300 feet on one leg??? No problem with that wire!!
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von jo barden
> > Gesendet: Mittwoch, 14. Dezember 2011 20:08
> > An: ham-antennas@yahoogroups.com
> > Betreff: RE: [ham-antennas] Wire antenna material
> >
> >
> > Hi Richard
> >
> > depending on depth of Anodising the corrosion protection may be limited. I
> > seem to remember Sigi posting about using Aluminium welding wire a while
> > back. I know Copper is going up but I just buy either enamelled Copper
> > wire by 1/2Kg (I live near Rapid Electronics) or use multi-strand flexible
> > with sheath and use that.
> >
> > I know that both of these not being Cold drawn are subject to stretching
> > but that is what my tuner is for. I know Rapid and I am sure other
> > electronic shops have a marked down bin. I got about 500ft of multi-strand
> > for a couple of pounds as the reel had been damaged and it was in a great

> > big knot. Hour later I had it all coiled up and ready to use. The Ariel
> > doesn't care that it was in a knot before use.
> >
> > Jon
> >
> > G6UWK
> >
>
Sorry getting , sent a blank reply.

Fine on the comments Sigi & Jon.
I'll ring a local stockholder and get prices.
One end of the wire antennas is hanging off the stub mast, see pic on qrz.com.
I don't want to get any bending on the stubmast, hence the need for low weight, but strength.

Oh well bed time before I make more mistakes.

--
Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
##

21318. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 00:51:08 UTC
From: fred
Topic: 21261 Message: 21318

have a marine grade pulley at the top of the pushup pole for easy up and down . the ends are just tied anywhere I can .
kd5pnt

21319. Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 00:59:03 UTC
From: fred
Topic: 21261 Message: 21319

what type material should the spreaders be and what end spacing between the wires ? La Grange does not have anything except a combination lumberyard and hardware store/feed store and a small walmart . no places to get anything except basic supplies .
kd5pnt

--- In ham-antennas@yahoogroups.com, "siegfried.jackstien" <siegfried.jackstien@...> wrote:
>
> You can add the other dipoles below the 40m dipole ... no need to have all
> wires in different directions ... just add some spreaders to the bigger
> dipole were the ends of the shorter dipole will be ...
> 40 should work well on 15!! So only 12 and 17 need to be added ...
> And you also can add 80m with bending the ends back ... or to a different
> support ...
> The most radiation comes from the centre of the dipole so you can zig-zag
> the ends without much trouble
>
> Dg9bfc
> Sigi
>
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von fred
> > Gesendet: Dienstag, 13. Dezember 2011 21:56
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Re: using 40 meter dipole on 15 meters
> >
> >
> >
> > I have come to the conclusion that I will have to add another wire to it .
> > I already have 6 wires on it for 10 , 20 and 40 metres and am running out
> > of places to tie the ends to . still want to add 15 , 17 and maybe 12
> > metres to it . just doing 1 band at a time . I do not have enough real
> > estate for 135' of wire , also do not have space for 75 metres so will
> > have to do something else with it .
> >
> > --- In ham-antennas@yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@> wrote:
> > >
> > > A SWR of 1.4 on 40 and 5:1 on 15 does not compute in this old mind. The
> > > simplest thing I know of is to make your 20 or 40 into a 2 band fan
> > dipole
> > > by adding a extra wire. I made a 5 band one so a 2 band would be simple.
> > >

> > >
> > >
> > > http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg
> > >
> > >
> > >
> > > Rich, Kd0zz
> > >
> > >
> > >
> > > From: ham-antennas@yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
> > <mailto:ham-antennas%40yahoogroups.com>] On
> > > Behalf Of fred
> > > Sent: Tuesday, December 13, 2011 1:30 PM
> > > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > > Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters
> > >
> > >
> > >
> > >
> > >
> > > not able to load it . SWR remains above 5:1. dipole is approx 34 ft per
> > side
> > > . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it
> > > covers the entire general segment without using the internal tuner on
> > the ft
> > > 950 and the tuner will not match it on 15 . don't have any problem
> > hearing
> > > anyone on the band. maybe that is the problem . 40 works well and I
> > don't
> > > want to mess it up trying to get 15 working . I only have 3 trees and
> > the
> > > hurricane fence to tie the ends to and I already have 6 wires in the air
> > ,
> > > 10 , 20 and 40 metres . the balun is a bencher ZA1A.
> > > kd5pnt
> > >
> > > --- In ham-antennas@yahoogroups.com <mailto:ham-
> > antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> > > , Ron Youvan <ka4inm@> wrote:
> > > >
> > > > Ken WA8JXM wrote:
> > > >
> > > > > You have not had any "luck trying to get it to work on 15 meters" in
> > > what way? Can't hear anything?
> > > > > Can't load it? Nobody answers you?
> > > >
> > > > > A 40m dipole WILL work on 15, I did that back in my novice days and
> > I've

> > > done it since then. Heck, I
> > > > > even use my 40m dipole on 30m, and worked VK with it.
> > > > >
> > > > I worked my Elmer in 15 meters weekly, one day he used his 40 meter
> > dipole
> > > (his emergency 15
> > > > meter antenna) instead of his tri-band "L" antenna, few could hear
> > him,
> > > all that could said he was
> > > > weak as water. I think it works, but it is quite inefficient.
> > > > --
> > > > Ron KA4INM - Ron KA4INM - Did you know ...
> > > > ... that no-one ever reads these things?
> > > >
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> >
>

21320. Re: AW: [ham-antennas] Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 01:05:34 UTC
From: Todd F. Carney
Topic: 21306 Message: 21320

Sigi,
*
*
*Aluminum wire! Not more than 40 minutes ago I finished stringing a 40m
end-feed made from wire cannibalized from old extension cords. They were
free, so . . . But it was a damn chore to extract the wire. Had I know
about using aluminum wire three hours ago I would have run down to Home
Depot and picked up a 250ft roll of 17awg fence wire. Their web site
indicates only $5.45 for the roll. Here's a shortened link:*
*
*
http://bit.ly/tE40DU
*
*
Many thanks (for future antennas).
*
*
*Todd
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%2
0k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"You don't have to believe everything you think." --Anonymous
*
*
*
*

[Non-text portions of this message have been removed]

21321. Re: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 01:09:13 UTC
From: Ron Youvan
Topic: 21211 Message: 21321

MIKE KC7NOA DURKIN wrote:

> That's so simple it should of occurred to me .... 450/2=225ohm.... but 3 runs of 600ohm line ...
> hummg .... wonder how much separation is needed from each run.

I've been trying to follow this but the turns and twists are giving me a neck ache.
As far as I know one run of 600 Ohm transmission line made with AWG 14 will handle way more than
American full power any mode so why are we discussing running parallel runs?
The higher the impedance the lower the loss, (and the lower the RF current) so if we are calculating reduced losses why include 400/450 Ohms in the possibilities?
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21322. RE: [ham-antennas] 500' feed lines , Part 2

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 01:13:42 UTC
From: MIKE DURKIN
Topic: 21211 Message: 21322

Because im planning a installation at my/our Blueberry farm ... and there is a hill I want to put an antenna on ... its roughly 1300' to the top from power. And I don't like remote base setup's.

To: ham-antennas@yahoogroups.com
From: ka4inm@...
Date: Wed, 14 Dec 2011 20:09:13 -0500
Subject: Re: [ham-antennas] 500' feed lines , Part 2

MIKE KC7NOA DURKIN wrote:

> That's so simple it should of occurred to me .... 450/2=225ohm.... but 3 runs of 600ohm line ...

> hummg .... wonder how much separation is needed from each run.

I've been trying to follow this but the turns and twists are giving me a neck ache.

As far as I know one run of 600 Ohm transmission line made with AWG 14 will handle way more than

American full power any mode so why are we discussing running parallel runs?

The higher the impedance the lower the loss, (and the lower the RF current) so if we are

calculating reduced losses why include 400/450 Ohms in the possibilities?

--

Ron KA4INM - Did you know ...

... that no-one ever reads these things?

[Non-text portions of this message have been removed]

21323. Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 01:18:11 UTC
From: Ron Youvan
Topic: 21261 Message: 21323

Fred KD5PNT wrote:

> what type material should the spreaders be and what end spacing between the wires ? La Grange does
> not have anything except a combination lumberyard and hardware store/feed store and a small Walmart.
> no places to get anything except basic supplies .

Hardware stores usually sell plastic water pipe made of PVC (PolyVinyl Chloride) that is what is
what I would use. (get white, the PVC cleaner will remove the imprinting from the pipe)
Get 3/4" with the thick wall.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21324. Re: [ham-antennas] Re: rust

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 02:02:52 UTC
From: Dale H. Cole K8TS
Topic: 21311 Message: 21324

I agree; Fire inspectors often use copper line to determine if electrical wiring may have been a contributor. It does not melt in a fire, and can be traced. The oxidation does occur, but you will find the fine plasti coating cracking off before it even reaches the insulation, and then the insulation finally giving way. I have had the same set of 14ga strand wire buried for my vertical for some 10 years and can still see the color of the insulation when it surfaces to the antenna mount.

Dale K8TS

----- Original Message -----

From: "Jim Whitaker" <jimawhitaker@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 14, 2011 5:12:38 PM
Subject: [ham-antennas] Re: rust

--- In ham-antennas@yahoogroups.com , K5jyd <k5jyd@...> wrote:
>
> An old timer once told me that stranded wire would rust inside and when
> the wind blew the movement of the stranded wire would generate noise so
> he always used solid wire for his antennas.
> k5jyd
>
> [Non-text portions of this message have been removed]
>

Odd, copper doesn't rust! It does form a thin layer of copper oxide turning it green but should be able to lie out in the elements for hundreds of years. I myself don't like insulated wire because the insulation will decay long before the copper does.

DE N8XYN K

[Non-text portions of this message have been removed]

21325. RE: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 02:40:53 UTC
From: Richard Schmuke
Topic: 21261 Message: 21325

Any place like the lumber yard should have some grey PVC conduit, that is what I used for spacers. I took the PVC and split it with a scroll saw into fourths.

End spacing can be whatever your heart desirers. 6☐ plus or minus 4☐ would be fine. I put spacers every 2ft because I had 5 wires and if I did not have then the wind would whip them into a birds nest. With just a 15m added to your forty you might get by with just one at the end. The straight section of a plastic coat hanger cut off and a hole in each end will work, anything light weight and non conductive. I have seen drawings of just a 3ft length of fishing line and a fishing sinker to hold the 15M section down. Your 40m becomes the main support, the 15 just hangs there.

Rich,Kd0zz

Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters

what type material should the spreaders be and what end spacing between the wires ? La Grange does not have anything except a combination lumberyard and hardware store/feed store and a small walmart . no places to get anything except basic supplies .
kd5pnt

--- In ham-antennas@...m <mailto:ham-antennas%40yahoogroups.com>
, "siegfried.jackstien" <siegfried.jackstien@...> wrote:
>
> You can add the other dipoles below the 40m dipole ... no need to have all
> wires in different directions ... just add some spreaders to the bigger
> dipole were the ends of the shorter dipole will be ...
> 40 should work well on 15!! So only 12 and 17 need to be added ...
> And you also can add 80m with bending the ends back ... or to a different
> support ...
> The most radiation comes from the centre of the dipole so you can zig-zag
> the ends without much trouble
>
> Dg9bfc
> Sigi
>
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> > Auftrag von fred
> > Gesendet: Dienstag, 13. Dezember 2011 21:56

> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> > Betreff: [ham-antennas] Re: using 40 meter dipole on 15 meters
> >
> >
> >
> > I have come to the conclusion that I will have to add another wire to it
.
> > I already have 6 wires on it for 10 , 20 and 40 metres and am running
out
> > of places to tie the ends to . still want to add 15 , 17 and maybe 12
> > metres to it . just doing 1 band at a time . I do not have enough real
> > estate for 135' of wire , also do not have space for 75 metres so will
> > have to do something else with it .
> >
> > --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> <mailto:ham-
> > antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@> wrote:
> > >
> > > A SWR of 1.4 on 40 and 5:1 on 15 does not compute in this old mind.
The
> > > simplest thing I know of is to make your 20 or 40 into a 2 band fan
> > dipole
> > > by adding a extra wire. I made a 5 band one so a 2 band would be
simple.
> > >
> > >
> > >
> > > http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00947.jpg
> > >
> > >
> > >
> > > Rich, Kd0zz
> > >
> > >
> > >
> > > From: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> <mailto:ham-
> > antennas%40yahoogroups.com> [mailto:ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> > <mailto:ham-antennas%40yahoogroups.com>] On
> > > Behalf Of fred
> > > Sent: Tuesday, December 13, 2011 1:30 PM
> > > To: ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
<mailto:ham-antennas%40yahoogroups.com>
> > > Subject: [ham-antennas] Re: using 40 meter dipole on 15 meters
> > >
> > >
> > >

> > >
> > >
> > > not able to load it . SWR remains above 5:1. dipole is approx 34 ft
per
> > side
> > > . the centre frequency on 40 is 7.2375 and the SWR there is 1.4:1 . it
> > > covers the entire general segment without using the internal tuner on
> > the ft
> > > 950 and the tuner will not match it on 15 . don't have any problem
> > hearing
> > > anyone on the band. maybe that is the problem . 40 works well and I
> > don't
> > > want to mess it up trying to get 15 working . I only have 3 trees and
> > the
> > > hurricane fence to tie the ends to and I already have 6 wires in the
air
> > ,
> > > 10 , 20 and 40 metres . the balun is a bencher ZA1A.
> > > kd5pnt
> > >
> > > --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com> <mailto:ham-
> > antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com>
> > > , Ron Youvan <ka4inm@> wrote:
> > > >
> > > > Ken WA8JXM wrote:
> > > >
> > > > > You have not had any "luck trying to get it to work on 15 meters"
in
> > > what way? Can't hear anything?
> > > > > Can't load it? Nobody answers you?
> > > >
> > > > > A 40m dipole WILL work on 15, I did that back in my novice days
and
> > I've
> > > done it since then. Heck, I
> > > > > even use my 40m dipole on 30m, and worked VK with it.
> > > >
> > > > I worked my Elmer in 15 meters weekly, one day he used his 40 meter
> > dipole
> > > (his emergency 15
> > > > > meter antenna) instead of his tri-band "L" antenna, few could hear
> > him,
> > > all that could said he was
> > > > > weak as water. I think it works, but it is quite inefficient.
> > > > --
> > > > Ron KA4INM - Ron KA4INM - Did you know ...
> > > > ... that no-one ever reads these things?
> > > >
> > >

> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> >
>

[Non-text portions of this message have been removed]

21326. Re: [ham-antennas] Re: using 40 metre dipole on 15 metres

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 13:21:20 UTC
From: Ken
Topic: 21261 Message: 21326

On Dec 14, 2011, at 4:34 PM, James wrote:

> For a year, I used a 40m dipole with open wire feeder, cut for SSB; could never get it to a reasonable swr on 15m. Always astounded me... usually the Johnson Matchbox would load anything! Went to a trapped vertical... never looked back!

The Johnson Matchboxes have limited matching range compared to other tuners, but I still find that strange. Probably a function of the feedline length?

73,
Ken WA8JXM

21327. Re: [ham-antennas] Re: using 40 meter dipole on 15 meters

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 13:29:05 UTC
From: Ken
Topic: 21261 Message: 21327

On Dec 14, 2011, at 7:59 PM, fred wrote:

> what type material should the spreaders be and what end spacing between the wires ?

The further the better but people have been known to use twin lead or even rotator control cable.

Ken WA8JXM

21328. Re: Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 15:50:26 UTC
From: Paul Horvitz
Topic: 21306 Message: 21328

That's right!!

Acid core solder and freshly cleaned aluminium solders for me.
I scrub off all the acid with a stiff brush, soap and water when done and have had no troubles as time goes by. As far as using alum electric fence wire, being in a dry environment (not near any ocean here) it develops a light corrosion layer rapidly, then no more...after 2 years now. There are ways to deal with it being soft mechanically. Can buy it in 1/4 and 1/2 mile long spools at my local feed store for a very reasonable price.

--- In ham-antennas@yahoogroups.com, "siegfried.jackstien" <siegfried.jackstien@...>
wrote:
>
> You can solder to aluminium with the right flux and solder!!!
> Dg9bfc
> Sigi
>
>
> > -----Ursprï¿½ngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von Ken
> > Gesendet: Mittwoch, 14. Dezember 2011 20:45
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Wire antenna material
> >
> >
> >
> >
> > On Dec 14, 2011, at 3:00 PM, richard wrote:
> >
> > > has anyone tried using anodised aluminium wire for antennas, the surface
> > > resistivity isn't too bad and the gain is weight, but what about
> > strength
> > > compared to hard drawn copper, the price of copper is now very high.
> >
> > You can't solder to aluminum, of course, so then you depend on a
> > mechanical connection only with something which may cold flow and/or
> > corrode.
> >
> > I don't know that copper is all that excessively priced. You can get 500#
> > of #14 insulated THHN for $50 or #12 for 80# at Lowes. Likewise you can
> > get copper clad wire from several ham suppliers at quite reasonable
> > prices. Copper antenna wire is cheap compared to the coax to feed it.
> >
> > I don't see the price of decent antenna wire being significant.
> >

> > Now if you are talking about putting in 5000' of 160m radials, well then
> > that's a different story.
> >
> > Ken WA8JXM
> >
> >
>

21329. Re: [ham-antennas] electronic parts source needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 17:23:08 UTC
From: danny garvin
Topic: 21329 Message: 21329

Do a search on qrz.com for kf4tap he is a home brewer. A few years ago he had the same problem finding crystal sockets so he started making them. He may be able to fix you up with what you need

---
From: "tivoligardens@..." <tivoligardens@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, December 12, 2011 2:26 PM
Subject: [ham-antennas] electronic parts source needed

I am building one of the Four States QRP kit and would like to put a connector into the board to the crystal as opposted to directly putting in the crystal. Where I obtain one of these I was at ACK and they were no help ? In addition where can I find extra crystals ?

Hal w4hal

[Non-text portions of this message have been removed]

21330. Re: [ham-antennas] electronic parts source needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 17:29:09 UTC
From: Todd F. Carney
Topic: 21329 Message: 21330

*Some people hack their own from either DIP sockets to SIL headers. Both
have 0.10 pin spacing. **Just cut them up as needed. **Skip a pin if
needed. *
*
*
Todd
*
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%2
0k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"You don't have to believe everything you think." --Anonymous
*
*
*
*

On Thu, Dec 15, 2011 at 9:23 AM, danny garvin <grailknight_2@...>wrote:

> **
>
>
> Do a search on qrz.com for kf4tap he is a home brewer. A few years ago he
> had the same problem finding crystal sockets so he started making them. He
> may be able to fix you up with what you need
>
> _____
> From: "tivoligardens@..." <tivoligardens@...>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, December 12, 2011 2:26 PM
> Subject: [ham-antennas] electronic parts source needed
>
>
> I am building one of the Four States QRP kit and would like to put a
> connector into the board to the crystal as opposted to directly putting in
> the crystal. Where I obtain one of these I was at ACK and they were no help
> ? In addition where can I find extra crystals ?
>
> Hal w4hal
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21331. Re: [ham-antennas] electronic parts source needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 19:06:55 UTC
From: Don Sanders
Topic: 21329 Message: 21331

Also check with www.AF4K.com
he sells lots of crystals.
Don W4BWS
On Thu, Dec 15, 2011 at 12:23 PM, danny garvin <grailknight_2@...>wrote:

> **
>
>
> Do a search on qrz.com for kf4tap he is a home brewer. A few years ago he
> had the same problem finding crystal sockets so he started making them. He
> may be able to fix you up with what you need
>
> _____
> From: "tivoligardens@..." <tivoligardens@...m>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, December 12, 2011 2:26 PM
> Subject: [ham-antennas] electronic parts source needed
>
>
> I am building one of the Four States QRP kit and would like to put a
> connector into the board to the crystal as opposted to directly putting in
> the crystal. Where I obtain one of these I was at ACK and they were no help
> ? In addition where can I find extra crystals ?
>
> Hal w4hal
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21332. Re: [ham-antennas] electronic parts source needed

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-15 19:59:27 UTC
From: Jim Hurwitz
Topic: 21329 Message: 21332

An excellent source for crystals http://www.expandedspectrumsystems.com/

On Thu, Dec 15, 2011 at 2:06 PM, Don Sanders <w4bws1@...> wrote:

> Also check with www.AF4K.com
> he sells lots of crystals.
> Don W4BWS
> On Thu, Dec 15, 2011 at 12:23 PM, danny garvin <grailknight_2@...
> >wrote:
>
> > **
> >
> >
> > Do a search on qrz.com for kf4tap he is a home brewer. A few years ago
> he
> > had the same problem finding crystal sockets so he started making them.
> He
> > may be able to fix you up with what you need
> >
> > _____
> > From: "tivoligardens@..." <tivoligardens@...>
> > To: ham-antennas@yahoogroups.com
> > Sent: Monday, December 12, 2011 2:26 PM
> > Subject: [ham-antennas] electronic parts source needed
> >
> >
> > I am building one of the Four States QRP kit and would like to put a
> > connector into the board to the crystal as opposted to directly putting
> in
> > the crystal. Where I obtain one of these I was at ACK and they were no
> help
> > ? In addition where can I find extra crystals ?
> >
> > Hal w4hal
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>

> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

21333. Portable Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 01:53:12 UTC
From: Bob Pelling
Topic: 21333 Message: 21333

Greeting to all

Other than Buddipole what portable Antennas along the same idea are out there? I have a Buddipole and love it but am curious.
Thanks in advance
The best of the season to all.

73 de Bob VE3XNB ve3xnb@...
FP-1852, NAQCC-2607, SKCC 7708, ARRL, RAC, CCO, NEQRP, KWARC, GARC, CANWARN-1141

[Non-text portions of this message have been removed]

21334. Re: Portable Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 02:12:10 UTC
From: Severino Mastracci
Topic: 21333 Message: 21334

Hi,

I started working with Buddistick Buddipole and both are good.

But this year add a Chameleon V1 and the results have been amazing.
lightweight, practical, 80m - 6m plus 2m / 70cm.

I have a Youtube video of the installation of the antenna :

http://www.youtube.com/watch?v=dMH1WN8xVSA&feature=youtube_gdata_player

Antena Link : http://chameleonantenna.com/

73!

Severino - YV5OF

[Non-text portions of this message have been removed]

21335. Re: [ham-antennas] Unwanted A4 resonance shift

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 02:16:53 UTC
From: doug pfaff
Topic: 20923 Message: 21335

when you get erratic swr look for loose or bad connections.

remember the enviromment your working with wind.rain heat cold etc causes deterioation over time

doug ve5dcp
----- Original Message -----
From: Nelson Wittstock
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 13, 2011 1:36 PM
Subject: Re: [ham-antennas] Unwanted A4 resonance shift

Today I solved my problem. After replacing my coax as it had been a suspect in my situation with an erratic SWR, the problem was still present. The best SWR in all four bands was higher in frequency than the upper band edge. The next possible cause was the traps. I had previously cleaned them out and put screening over the vent holes so I felt that this solution was still not all that likely but I didn't see what else it could be. Today I replaced both driven element ten meter traps and tha antenna has excellent SWR's right where they should be on all the bands. The end cap had cracked open on one of the traps but there was no sign of insect activity. What I did find was that one of the screws inside that secured an end of the coil was loose enough to allow the attachment point to wiggle. It had the factory applied sealant but was slightly loose anyway. Apparently the connection to the coil was intermittent enough to mess up the whole works. This hobby can certainly keep the analytical brain juices flowing.

Nelson, K8DJC

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21336. Re: [ham-antennas] Re: Portable Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 04:13:04 UTC
From: Jay Jordan
Topic: 21333 Message: 21336

I like my Chameleon V2L on a fiberlass pole with a ground wire running down - 3 support guys . takes about 5 min to setup !
I also sometimes use a wire vertical [homebrew] if trees are around- just take a few fender washers tied together, attached to a string , fling 'em up in a tree - pull the vertical up - lay out a couple of counterpoise wires and away you go ....

Jay NX2C

Antena Link : http://chameleonantenna.com/

[Non-text portions of this message have been removed]

21337. Just in Time for Winter

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 15:32:22 UTC
From: Steve ~ W9SWT
Topic: 21337 Message: 21337

Hello All,

This is my first post to this group:

I've nearly finished a portable 20m vertical 2 element antenna (broadside pattern) inspired by WA3ULH's (now W3DX) 1995 QST article.

Now that winter is at hand, I wonder how snow or wet ground will effect performance of the radials. They will be spread out on the surface… of the snow or wet ground.

Thanks,

Steve ~ W9SWT

[Non-text portions of this message have been removed]

21338. Re: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 15:47:42 UTC
From: Ron Youvan
Topic: 20549 Message: 21338

Robert KE4DYG Duckworth wrote:

> I would like to know is there a place to find a half wave antenna fed with coax without tuner and no
> counterpoise needed. I hope I can find one here on internet and photos thanks Robert

Although there are many schemes that can make this work, the "Zep" and the "J" pole antenna are
your best bet. The dipole "end" has an impedance of about 10,000 Ohms so a matching network is
necessary. That is the job of the "stub" which can be coaxial.
--
Ron KA4INM - Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21339. Re: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 16:05:18 UTC
From: enkitec@gmail.com
Topic: 20549 Message: 21339

Maybe this one:

http://www.radial.ru/catalog/antennas/dipole/windom6/eng/

Mark Jordan PY3SS

On 16-Dec-11 13:47, Ron Youvan wrote:
> Robert KE4DYG Duckworth wrote:
>
>> I would like to know is there a place to find a half wave antenna fed with coax without tuner and no
>> counterpoise needed. I hope I can find one here on internet and photos thanks Robert
> Although there are many schemes that can make this work, the "Zep" and the "J" pole antenna are
> your best bet. The dipole "end" has an impedance of about 10,000 Ohms so a matching network is
> necessary. That is the job of the "stub" which can be coaxial.

21340. AW: AW: [ham-antennas] Wire antenna material

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 16:08:28 UTC
From: siegfried.jackstien
Topic: 21306 Message: 21340

VERY BIG GRIN *G*
Just ask (not only me but hey what is this group made for?!?) ...
Welding wire (aluminium or stainless) is bulls... cause toooo hard (breaks too easy) ... but al fence wire can you have in a few different diameters and in different quality (more or less hard)
Here in dl in 400m rolls for 25-30 euros ... so yesssss it is very cheap, light-weight ... and does last very long :-)
Good luck for your next antenna projects
Greetz
Sigi
Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Todd F. Carney
> Gesendet: Donnerstag, 15. Dezember 2011 01:06
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Wire antenna material
>
>
>
> *Sigi,*
> *
> *
> *Aluminum wire! Not more than 40 minutes ago I finished stringing a 40m
> end-feed made from wire cannibalized from old extension cords. They were
> free, so . . . But it was a damn chore to extract the wire. Had I know
> about using aluminum wire three hours ago I would have run down to Home
> Depot and picked up a 250ft roll of 17awg fence wire. Their web site
> indicates only $5.45 for the roll. Here's a shortened link:*
> *
> *
> *http://bit.ly/tE40DU*
> *
> *
> *Many thanks (for future antennas).*
> *
> *
> *Todd
> *
> ---
> KF7SIS<http://lcwo.net/cgi-
> bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20
> %20%5E>/
> Medford, Oregon / (541) 951-5702

>
> "You don't have to believe everything you think." --Anonymous
> *
> *
> *
> *
>
> [Non-text portions of this message have been removed]
>
>
>
>

21341. Re: end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 16:33:54 UTC
From: Ralph
Topic: 20549 Message: 21341

You could try the end fed matchbox with 33' dipole attached (20-40 meter) then attach another 33' to it for (80-120 meter). Got it from http://www.earchi.org
I put mine on a tripod and a 20' fishing pole and works for HF. But it has better range from the beach.
- Ralph WH7PD

--- In ham-antennas@yahoogroups.com, enkitec@... wrote:
>
>
> Maybe this one:
>
> http://www.radial.ru/catalog/antennas/dipole/windom6/eng/
>
> Mark Jordan PY3SS
>
>
> On 16-Dec-11 13:47, Ron Youvan wrote:
> > Robert KE4DYG Duckworth wrote:
> >
> >> I would like to know is there a place to find a half wave antenna fed with coax without tuner and no
> >> counterpoise needed. I hope I can find one here on internet and photos thanks Robert
> > Although there are many schemes that can make this work, the "Zep" and the "J" pole antenna are
> > your best bet. The dipole "end" has an impedance of about 10,000 Ohms so a matching network is
> > necessary. That is the job of the "stub" which can be coaxial.
>

21342. Re: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 16:38:47 UTC
From: K5jyd
Topic: 20549 Message: 21342

Par electronics makes end fed wires (no tuner , no counterpoise needed). I have the 20m version , have worked a ton of stateside and dx at 5 watts on it.
k5jyd

[Non-text portions of this message have been removed]

21343. Re: [ham-antennas] end fed antennas with coax half wave without tuner

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 16:41:43 UTC
From: K5jyd
Topic: 20549 Message: 21343

I use a 55 ft end wire for 30/80/40 and a home brew tuner with no counterpoise or ground. Works fine.. Just got t32c confirmed on 30/40 and 80 on lotw and he was worked on the end fed, barefoot.

k5jyd

[Non-text portions of this message have been removed]

21344. Launcher

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 17:09:58 UTC
From: kd8dvy@ymail.com
Topic: 21344 Message: 21344

CQ CQ de KD8DVY,

My antenna question is about launchers. What was/is you first home-brewed launcher?

Mine was/is a 20oz soda pop bottle. It allows me to get into a tree at a height of 35-45' on several attempts. Not to mention I don't need anything that is not readily available.

Harold/KD8DVY

21345. AW: [ham-antennas] Launcher

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 17:18:13 UTC
From: siegfried.jackstien
Topic: 21344 Message: 21345

My first launcher ... my right arm :-)
Plastic bottle with some sand in it (safe when coming down, better as stone
or arrow)... reachable height 12-15m .... ok for fieldday!

But a real launcher? ... see here:
http://www.antennalaunchers.com/antlaunching.html

greetz
sigi
dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von kd8dvy@...
> Gesendet: Freitag, 16. Dezember 2011 17:10
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Launcher
>
>
>
> CQ CQ de KD8DVY,
>
> My antenna question is about launchers. What was/is you first home-brewed
> launcher?
>
> Mine was/is a 20oz soda pop bottle. It allows me to get into a tree at a
> height of 35-45' on several attempts. Not to mention I don't need anything
> that is not readily available.
>
> Harold/KD8DVY
>
>
>
>

21346. Re: Launcher

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 19:00:37 UTC
From: Jim Whitaker
Topic: 21344 Message: 21346

--- In ham-antennas@yahoogroups.com, "siegfried.jackstien" <siegfried.jackstien@...>
wrote:
>
> My first launcher ... my right arm :-)
> Plastic bottle with some sand in it (safe when coming down, better as stone
> or arrow)... reachable height 12-15m .... ok for fieldday!
>
> But a real launcher? ... see here:
> http://www.antennalaunchers.com/antlaunching.html
>
> greetz
> sigi
> dg9bfc

That's a freaking WMD dude! It not only gets your antenna up on field day but also eliminates any competition ;-)

de n8xyn k

21347. Re: [ham-antennas] Re: Launcher

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 19:19:27 UTC
From: danny garvin
Topic: 21344 Message: 21347

These launchers are a blast I built my first one about 4 or 5 years ago for field day since then I have built and sold about a dozen of them it only takes about 40 PSI to launch a weighted tennis ball 80 or so feet up in a tree.
Danny
   WB9RIM

From: Jim Whitaker <jimawhitaker@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, December 16, 2011 1:00 PM
Subject: [ham-antennas] Re: Launcher

--- In ham-antennas@yahoogroups.com, "siegfried.jackstien" <siegfried.jackstien@...> wrote:
>
> My first launcher ... my right arm :-)
> Plastic bottle with some sand in it (safe when coming down, better as stone
> or arrow)... reachable height 12-15m .... ok for fieldday!
>
> But a real launcher? ... see here:
> http://www.antennalaunchers.com/antlaunching.html
>
> greetz
> sigi
> dg9bfc

That's a freaking WMD dude! It not only gets your antenna up on field day but also eliminates any competition ;-)

de n8xyn k

[Non-text portions of this message have been removed]

21348. can I use multi-conductor wire cut to different lengths for radial or radiator?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 19:50:02 UTC
From: Paul
Topic: 21348 Message: 21348

Will it work to take four conductor cable and connect one end in common, then cut each of the four conductors to appropriate length for the desired bands, stripping off the excess per conductor wire?

So it is sort of like a Fan - but with no spread.

As a side question, if that will work for a Radial, will it also work if I wanted to make a wire vertical and use the same scheme for multiple radiator lengths - again, like a fan but without the spread?

Thank you and 73,
Paul

PS: I'm thinking of using Radio shack four conductor cable - it maybe 24 gauage.

21349. Re: [ham-antennas] Re: Launcher

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 20:04:46 UTC
From: goldtr8@charter.net
Topic: 21344 Message: 21349

If yo umake a large enough resevoir for the air pressure 80 ft in the
air is nothing :-)

Dont ask how I know :-)

PS you should wear safety goggles when using these things

~73
Don
KD8NNU

On Fri, Dec 16, 2011 at 2:19 PM, danny garvin wrote:

These launchers are a blast I built my first one about 4 or 5 years
ago for field day since then I have built and sold about a dozen of them
it only takes about 40 PSI to launch a weighted tennis ball 80 or so
feet up in a tree.
Danny
   WB9RIM

From: Jim Whitaker < jimawhitaker@...
<javascript:parent.wgMail.openComposeWindow('jimawhitaker@...')> >
To: ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
Sent: Friday, December 16, 2011 1:00 PM
Subject: [ham-antennas] Re: Launcher

--- In ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
, "siegfried.jackstien" <siegfried.jackstien@...> wrote:
>
> My first launcher ... my right arm :-) Plastic bottle with some sand
> in it (safe when coming down, better as stone or arrow)... reachable
> height 12-15m .... ok for fieldday!
> But a real launcher? ... see here:
> http://www.antennalaunchers.com/antlaunching.html
> <http://www.antennalaunchers.com/antlaunching.html>
> greetz sigi dg9bfc

That's a freaking WMD dude! It not only gets your antenna up on field
day but also eliminates any competition ;-)

de n8xyn k

[Non-text portions of this message have been removed]

<http://www.antennalaunchers.com/antlaunching.html>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

21350. AW: [ham-antennas] can I use multi-conductor wire cut to different lengths for radial or radiator?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 20:12:31 UTC
From: siegfried.jackstien
Topic: 21348 Message: 21350

It will work BUT
The interaction will make it hard to find the right length for the cuts
On higher bands high voltage at the ends will probably break insulation to
other wire (of a lower band)

Even with a bit of distance you have interaction ... as closer you get as
harder to tune so a difficult and maybe lossy thing

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Paul
> Gesendet: Freitag, 16. Dezember 2011 19:50
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] can I use multi-conductor wire cut to different
> lengths for radial or radiator?
>
>
>
> Will it work to take four conductor cable and connect one end in common,
> then cut each of the four conductors to appropriate length for the desired
> bands, stripping off the excess per conductor wire?
>
> So it is sort of like a Fan - but with no spread.
>
> As a side question, if that will work for a Radial, will it also work if I
> wanted to make a wire vertical and use the same scheme for multiple
> radiator lengths - again, like a fan but without the spread?
>
> Thank you and 73,
> Paul
>
> PS: I'm thinking of using Radio shack four conductor cable - it maybe 24
> gauage.
>
>
>
>

21351. Re: [ham-antennas] Re: Launcher

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 21:29:13 UTC
From: danny garvin
Topic: 21344 Message: 21351

The max PSI I sugest is 80 PSI and the volume of the air chamber is about 110 C.I.
At that pressure I once shot over the tree , across the street and onto the top of another tree in most cases 40 is all.you need to get the antenna up. Now if you are just shooting for fun I have seen an un-weighted tennis ball shot the length of 3 football fields (300 yards)
On Fri, Dec 16, 2011 2:04 PM CST goldtr8@... wrote:

>
>If yo umake a large enough resevoir for the air pressure 80 ft in the
>air is nothing :-)
>
>Dont ask how I know :-)
>
>PS you should wear safety goggles when using these things
>
>~73
>Don
>KD8NNU
>
>On Fri, Dec 16, 2011 at 2:19 PM, danny garvin wrote:
>
> These launchers are a blast I built my first one about 4 or 5 years
>ago for field day since then I have built and sold about a dozen of them
>it only takes about 40 PSI to launch a weighted tennis ball 80 or so
>feet up in a tree.
>Danny
>   WB9RIM
>
>_________________________________
>From: Jim Whitaker < jimawhitaker@...
><javascript:parent.wgMail.openComposeWindow('jimawhitaker@...')> >
>To: ham-antennas@yahoogroups.com
><javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>Sent: Friday, December 16, 2011 1:00 PM
>Subject: [ham-antennas] Re: Launcher
>
>
>
>--- In ham-antennas@yahoogroups.com
><javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
>, "siegfried.jackstien" <siegfried.jackstien@...> wrote:
>>
>> My first launcher ... my right arm :-) Plastic bottle with some sand
>> in it (safe when coming down, better as stone or arrow)... reachable
>> height 12-15m .... ok for fieldday!

>> But a real launcher? ... see here:
>> http://www.antennalaunchers.com/antlaunching.html
>> <http://www.antennalaunchers.com/antlaunching.html>
>> greetz sigi dg9bfc
>
>That's a freaking WMD dude! It not only gets your antenna up on field
>day but also eliminates any competition ;-)
>
>de n8xyn k
>
>[Non-text portions of this message have been removed]
>
> <http://www.antennalaunchers.com/antlaunching.html>
> <http://docs.yahoo.com/info/terms/>
>
>
>[Non-text portions of this message have been removed]
>

21352. Mounting TH3 JR Beam on Roof

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 21:50:49 UTC
From: Dave Wilson
Topic: 21352 Message: 21352

Hi All,
Am new to this group. I am about to put my TH3 JR beam on the peak of my roof (along the spine). I will only be able to mount it about 5 feet above the peak, so I assume a lot the gain from this antenna will be lost in the roof and the ground. Is it possible to put out a decent signal with this lack of height above the roof? My alternative is to put in on a hill on my property (about 30 feet higher than my roof location) on a short tower, but will have to run about 200 feet of RG8U to it. That is about a 2 DB loss over the roof location. Any help or comments re the better choice? The hill choice is more difficult and more expensive. Thanks. Dave. WA6TXU.

[Non-text portions of this message have been removed]

21353. Radials and Snow (Re: [ham-antennas] Just in Time for Winter)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-16 23:58:40 UTC
From: Artekmedia
Topic: 21337 Message: 21353

Steve

As long as your planning on a dozen or more radials the snow and wet
ground will likely have little affect

Even with as few as 4 you will likely not be able to "hear" the difference

Have fun
Dave
NR1DX

On 12/16/2011 9:32 AM, Steve ~ W9SWT wrote:
>
>
>
> Hello All,
>
> This is my first post to this group:
>
> Â
>
> IâEUR^(TM)ve nearly finished a portable 20m vertical 2 element antenna
> (broadside pattern) inspired by WA3ULHâEUR^(TM)s (now W3DX) 1995 QST
> article.
>
> Â
>
> Now that winter is at hand, I wonder how snow or wet ground will
> effect performance of the radials. They will be spread out on the
> surfaceâEUR¦ of the snow or wet ground.
>
> Â
>
> Thanks,
>
> Â
>
> Steve ~ W9SWT
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...

www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21354. Re: Mounting TH3 JR Beam on Roof

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 02:12:36 UTC
From: kb7gl
Topic: 21352 Message: 21354

Ideally, we'd all love wide spaced 4-el monobanders at 100 ft. However, you can still expect good results with the roof installation. See the QRZ page of WZ0V -- he's done quite well with a similar set-up.

Unless the hill location puts the antenna up to 50-60 feet AGL or so, I don't think it would perform much better than the roof.

Try it and see...experimentation is what's it's all about!

73,
Vic - KB7GL

--- In ham-antennas@yahoogroups.com, Dave Wilson <wa6txu@...> wrote:
>
> Hi All,
> Am new to this group. I am about to put my TH3 JR beam on the peak of my roof (along the spine). I will only be able to mount it about 5 feet above the peak, so I assume a lot the gain from this antenna will be lost in the roof and the ground. Is it possible to put out a decent signal with this lack of height above the roof? My alternative is to put in on a hill on my property (about 30 feet higher than my roof location) on a short tower, but will have to run about 200 feet of RG8U to it. That is about a 2 DB loss over the roof location. Any help or comments re the better choice? The hill choice is more difficult and more expensive. Thanks. Dave. WA6TXU.
>
>
> [Non-text portions of this message have been removed]
>

21355. Re: [ham-antennas] Re: Mounting TH3 JR Beam on Roof

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 03:17:38 UTC
From: ve5trf@sasktel.net
Topic: 21352 Message: 21355

meh, dont sweat it, i have the same beam, its up 25 feet on a tower attached to the side of the garage by the peak. it does ok
. i dont have the bucks to go higher, plus, im scared blind about heights.
On Sat, 17 Dec 2011 02:12:36 -0000, kb7gl wrote:

Ideally, we'd all love wide spaced 4-el monobanders at
100 ft. However, you can still expect good results with the roof
installation. See the QRZ page of WZ0V -- he's done quite well with a
similar set-up.

Unless the hill location puts the antenna up to 50-60 feet AGL or so, I
don't think it would perform much better than the roof.

Try it and see...experimentation is what's it's all about!

73,
Vic - KB7GL

--- In ham-antennas@yahoogroups.com, Dave Wilson wrote:
>
> Hi All,
> Am new to this group. I am about to put my TH3 JR beam on the peak of
> my roof (along the spine). I will only be able to mount it about 5
> feet above the peak, so I assume a lot the gain from this antenna
> will be lost in the roof and the ground. Is it possible to put out a
> decent signal with this lack of height above the roof? My alternative
> is to put in on a hill on my property (about 30 feet higher than my
> roof location) on a short tower, but will have to run about 200 feet
> of RG8U to it. That is about a 2 DB loss over the roof location. Any
> help or comments re the better choice? The hill choice is more
> difficult and more expensive. Thanks. Dave. WA6TXU.
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

21356. zero five 43' vertical-- modify height question..

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 15:47:56 UTC
From: anthony
Topic: 21356 Message: 21356

I have a zero five 43' vertical with 60 ground radials. I preforms bad on 80. It does very well for long haul contacts on 40. Im looking to make it my 40 meter ONLY antenna. I am wondering if by shortening it to make it a 33' vertical which will be a perfect match for 40 would it preform any better or just leave well enough alone? Any ideas or input would be apreciated. good dx.

tony k2vi

21357. AW: [ham-antennas] zero five 43' vertical-- modify height question..

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 17:01:14 UTC
From: siegfried.jackstien
Topic: 21356 Message: 21357

It will not perform better
I would check why it is bad on 80 and how THAT can be solved
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von anthony
> Gesendet: Samstag, 17. Dezember 2011 15:48
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] zero five 43' vertical-- modify height question..
>
>
>
> I have a zero five 43' vertical with 60 ground radials. I preforms bad on
> 80. It does very well for long haul contacts on 40. Im looking to make it
> my 40 meter ONLY antenna. I am wondering if by shortening it to make it a
> 33' vertical which will be a perfect match for 40 would it preform any
> better or just leave well enough alone? Any ideas or input would be
> apreciated. good dx.
>
> tony k2vi
>
>
>
>

21358. Re: [ham-antennas] zero five 43' vertical-- modify height question..

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 17:25:01 UTC
From: Ken
Topic: 21356 Message: 21358

On Dec 17, 2011, at 10:47 AM, anthony wrote:

> I have a zero five 43' vertical with 60 ground radials. I preforms bad on 80. It does very well for long haul contacts on 40. Im looking to make it my 40 meter ONLY antenna. I am wondering if by shortening it to make it a 33' vertical which will be a perfect match for 40 would it preform any better or just leave well enough alone? Any ideas or input would be apreciated. good dx.

43' is way short for 80m. I would not expect great performance from it on 80. You actually need 65 to 150' (half of 5/8 wavelengths) for optimum performance of a vertical on 80.

OTOH, 43' is better on 40m than 33' would be.

And no, making it 33' would not make it "a perfect match on 40" (without some sort of matching network) because the the feed impedance of a 33' vertical on 40m is in the 30 ohm neighborhood, not 50 ohms. 43' is a better match on 40m than 33' would be.

Ken WA8JXM

21359. Re: [ham-antennas] zero five 43' vertical-- modify height question..

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 17:59:18 UTC
From: Artekmedia
Topic: 21356 Message: 21359

Leave it at 43' on 40M if it is already matched there. NO advantage to shortening it other than a very slight improvement (high angle) in local shorth distance use.

Why do say it is a dog on 80? Tough band for DX even with a full sized vertical especially if your running barefoot. How long are the radials?

73
Dave
NR1DX

On 12/17/2011 11:25 AM, Ken wrote:
>
>
> On Dec 17, 2011, at 10:47 AM, anthony wrote:
>
> > I have a zero five 43' vertical with 60 ground radials. I preforms
> bad on 80. It does very well for long haul contacts on 40. Im looking
> to make it my 40 meter ONLY antenna. I am wondering if by shortening
> it to make it a 33' vertical which will be a perfect match for 40
> would it preform any better or just leave well enough alone? Any ideas
> or input would be apreciated. good dx.
>
> 43' is way short for 80m. I would not expect great performance from it
> on 80. You actually need 65 to 150' (half of 5/8 wavelengths) for
> optimum performance of a vertical on 80.
>
> OTOH, 43' is better on 40m than 33' would be.
>
> And no, making it 33' would not make it "a perfect match on 40"
> (without some sort of matching network) because the the feed impedance
> of a 33' vertical on 40m is in the 30 ohm neighborhood, not 50 ohms.
> 43' is a better match on 40m than 33' would be.
>
> Ken WA8JXM
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21360. Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 18:41:37 UTC
From: mherdman37
Topic: 21360 Message: 21360

So I'm reconfiguring my HF station, and one of the alternatives I'm considering would have coax and ground wire leaving my transceiver and running basically right beside each other for 5 feet or so before branching off to their respective destinations. Bad idea? Thoughts?

Thanks very much.

73,
Michael
N0GLK

21361. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 18:52:15 UTC
From: Artekmedia
Topic: 21360 Message: 21361

IMO... Non issue either way

Dave
NR1DX

On 12/17/2011 12:41 PM, mherdman37 wrote:
>
> So I'm reconfiguring my HF station, and one of the alternatives I'm
> considering would have coax and ground wire leaving my transceiver and
> running basically right beside each other for 5 feet or so before
> branching off to their respective destinations. Bad idea? Thoughts?
>
> Thanks very much.
>
> 73,
> Michael
> N0GLK
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21362. RE: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 18:54:53 UTC
From: jo barden
Topic: 21360 Message: 21362

Hi Michael

with Coax it should make no difference as RF is contained within the coax. That is the advantage of it. absolute rubbish if SWR is high but thats swings and roundabouts I suppose.

Jon

g6UWK

To: ham-antennas@yahoogroups.com
From: michael.erdman@...
Date: Sat, 17 Dec 2011 18:41:37 +0000
Subject: [ham-antennas] Dumb coax/grounding question

So I'm reconfiguring my HF station, and one of the alternatives I'm considering would have coax and ground wire leaving my transceiver and running basically right beside each other for 5 feet or so before branching off to their respective destinations. Bad idea? Thoughts?

Thanks very much.

73,

Michael

N0GLK

[Non-text portions of this message have been removed]

21363. Re: [ham-antennas] zero five 43' vertical-- modify height question..

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 20:12:42 UTC
From: van wd8aam
Topic: 21356 Message: 21363

something to give you ideas:

http://www.ad5x.com/images/Articles/Auto%20Tuner%20Extender.pdf

van
wd8aam

At 15:47 12/17/2011, you wrote:
>
>
>I have a zero five 43' vertical with 60 ground
>radials. I preforms bad on 80. It does very well
>for long haul contacts on 40. Im looking to make
>it my 40 meter ONLY antenna. I am wondering if
>by shortening it to make it a 33' vertical which
>will be a perfect match for 40 would it preform
>any better or just leave well enough alone? Any
>ideas or input would be apreciated. good dx.
>
>tony k2vi
>
>

[Non-text portions of this message have been removed]

21364. Re: [ham-antennas] zero five 43' vertical-- modify height question..

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 20:46:47 UTC
From: van wd8aam
Topic: 21356 Message: 21364

something to give you MORE ideas:

http://www.ad5x.com/images/Presentations/Vertical43.pdf

van
wd8aam

At 15:47 12/17/2011, you wrote:
>
>
>I have a zero five 43' vertical with 60 ground
>radials. I preforms bad on 80. It does very well
>for long haul contacts on 40. Im looking to make
>it my 40 meter ONLY antenna. I am wondering if
>by shortening it to make it a 33' vertical which
>will be a perfect match for 40 would it preform
>any better or just leave well enough alone? Any
>ideas or input would be apreciated. good dx.
>
>tony k2vi
>
>

[Non-text portions of this message have been removed]

21365. Re: [ham-antennas] 43' vertical

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 21:07:09 UTC
From: van wd8aam
Topic: 21356 Message: 21365

>A wealth of information about verticals, antennas, coils,is at this website

by Phil Salas-AD5X : http://www.ad5x.com/articles.htm

21366. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 21:57:42 UTC
From: Ron Youvan
Topic: 21360 Message: 21366

Michael N0GLK mherdman37 wrote:

> So I'm reconfiguring my HF station, and one of the alternatives I'm considering would have coax and
> ground wire leaving my transceiver and running basically right beside each other for 5 feet or so
> before branching off to their respective destinations. Bad idea? Thoughts?

I don't see why that would be any kind of problem.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21367. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 22:38:06 UTC
From: Don Sanders
Topic: 21360 Message: 21367

I have had mine running similar for many years with no problem.
Maybe i'm just fortunate but Murphy has been absent.
Dr Don W4BWS

On Sat, Dec 17, 2011 at 1:41 PM, mherdman37 <michael.erdman@...>wrote:

> **
>
>
> So I'm reconfiguring my HF station, and one of the alternatives I'm
> considering would have coax and ground wire leaving my transceiver and
> running basically right beside each other for 5 feet or so before branching
> off to their respective destinations. Bad idea? Thoughts?
>
> Thanks very much.
>
> 73,
> Michael
> N0GLK
>
>
>

[Non-text portions of this message have been removed]

21368. Yeasu G-5500 Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 22:48:25 UTC
From: Martin A Flynn
Topic: 21368 Message: 21368

Our club station has a G-550 rotator. Anyone on the list have a list of parts that would effectively upgrade it to a G-5500 system?

Martin

21369. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 22:57:52 UTC
From: Stan Labinsky Jr.
Topic: 21360 Message: 21369

Actually Mike, you'd want both the coax and ground to be running to the same place, the spot where the coax enters your building. It is there, just outside that entrance point, where your first ground rod should be driven with a second one spaced at twice the rod's length away. That is also where your line power should make connection to that same ground (the green wire).

Will suggest that you Google 'PolyPhaser and read their white papers... a world of knowledge which may just save you a world of hurt someday.

Stan

----- Original Message -----
From: mherdman37
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 17, 2011 1:41 PM
Subject: [ham-antennas] Dumb coax/grounding question

So I'm reconfiguring my HF station, and one of the alternatives I'm considering would have coax and ground wire leaving my transceiver and running basically right beside each other for 5 feet or so before branching off to their respective destinations. Bad idea? Thoughts?

Thanks very much.

73,
Michael
N0GLK

[Non-text portions of this message have been removed]

21370. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-18 01:49:09 UTC
From: dean
Topic: 21360 Message: 21370

I take it your saying the whole house ground should be your second ground. My problem is the whole house ground is like 70’ away from where my radio shack is at. I live in a big house. There is a lot of concrete between me and the ground.

73, WY6L

From: Stan Labinsky Jr.
Sent: Saturday, December 17, 2011 2:57 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Dumb coax/grounding question

Actually Mike, you'd want both the coax and ground to be running to the same place, the spot where the coax enters your building. It is there, just outside that entrance point, where your first ground rod should be driven with a second one spaced at twice the rod's length away. That is also where your line power should make connection to that same ground (the green wire).

Will suggest that you Google 'PolyPhaser and read their white papers... a world of knowledge which may just save you a world of hurt someday.

Stan

----- Original Message -----
From: mherdman37
To: mailto:ham-antennas%40yahoogroups.com
Sent: Saturday, December 17, 2011 1:41 PM
Subject: [ham-antennas] Dumb coax/grounding question

So I'm reconfiguring my HF station, and one of the alternatives I'm considering would have coax and ground wire leaving my transceiver and running basically right beside each other for 5 feet or so before branching off to their respective destinations. Bad idea? Thoughts?

Thanks very much.

73,
Michael
N0GLK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21371. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-18 03:45:24 UTC
From: Stan Labinsky Jr.
Topic: 21360 Message: 21371

Sadly, this winds up being the problem so often... antenna lead-ins at one end of the house or building (if commercial), line power coming in at the other. Strike current flowing in either direction over the 110 volt wiring and through the equipment, depending on what was struck.

So, you want to have all of your equipment in a kind of bubble with only one inlet point... the "entrance panel" which is a kind of electronic window that all the services (phone line too) enter through or are at least connected to. That way the strike current flows AROUND your gear, not through it.

Now, to do that the antenna's shield, and the green wire grounds from all of your equipment should go to ground at that point where the antenna cable enters your home.

Again, pointing back to the PolyPhaser company, they make an extension cord with a metallic two gang outlet box at one end, the typical three prong 15 amp plug at the other. The metal box is mounted onto the entrance panel effectively grounding all your equipment. BTW, MFJ offers a few models of entrance panels... don't remember what they call them though. Basically it's a panel which fits into your window frame with feedthrough connections for you antenna cables. What they don't offer is the outlet box which would be attached to the panel and plugged into a nearby wall outlet. The box/extension cord you should be able make with stuff from Lowes Also, you'll want to install lightning arrestors at the panel. They clip off the spike on the coax's center conductor generated by either a direct or nearby lightning strike. That spike can and will render your receivers deaf.

That will protect your equipment, but not the dwelling. Unfortunately, should the power line be struck, a portion of the strike will travel though the house wiring seeking the best ground... your hamshack ground. Yea, the power company ground will dissipate a portion, but their grounds deteriorate over time. The way to minimize strike current flowing through the house is to provide an alternate path around the outside of the structure, one end connected to your grounding system, the other to the power co's ground. Install several more ground rods connected to that outside ground path. Did I mention that this gets spendy... real fast? For the dope on this method, Google 'halo ground', or grounding.

Some years back, I had to deal with a business that lost equipment twice to lightning (they were warned about the deficiencies in their system several times but it sometimes takes a smack in the back of the head to get the needed attention). We added three more spaced out ground rods at the tower's base and installed an entrance panel like I described above, complete with arrestors and that outlet box. I've not had to replace a blown radio since! And with an eighty foot plus tall tower and a twenty

foot tall low band antenna at the top they have taken subsequent strikes I've been told.

Again, the PolyPhaser site has an encyclopedia of knowledge on the effects of lightning and how to deal with it. From their research, they have literally written the book on the subject. Follow it and sleep well at night.

Stan

----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 17, 2011 8:49 PM
Subject: Re: [ham-antennas] Dumb coax/grounding question

I take it your saying the whole house ground should be your second ground. My problem is the whole house ground is like 70’ away from where my radio shack is at. I live in a big house. There is a lot of concrete between me and the ground.

73, WY6L

21372. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-18 04:25:28 UTC
From: Peter Ackermann
Topic: 21360 Message: 21372

It sounds like you have beginnings of a grounding halo. Ground Halo's
are very common in the broadcast industry. They take a ground line from
ground point "A", passed a select group of equipment to be grounded, to
ground point "B", then run a ground line from Ground Point "B" back to
"A" passed more gear to be grounded.

http://www.comm-omni.com/polyweb/halogrounds.htm

On 12/17/2011 4:57 PM, Ron Youvan wrote:
>
> Michael N0GLK mherdman37 wrote:
>
> > So I'm reconfiguring my HF station, and one of the alternatives I'm
> considering would have coax and
> > ground wire leaving my transceiver and running basically right
> beside each other for 5 feet or so
> > before branching off to their respective destinations. Bad idea?
> Thoughts?
>
> I don't see why that would be any kind of problem.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>

[Non-text portions of this message have been removed]

21373. Emotator Rotator

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-18 11:43:21 UTC
From: naptonian
Topic: 21373 Message: 21373

Does anyone have any information on an old Emoto FSX1300 [or 1300FSX?] Rotator made by Emotator some 20/25 years ago, please? I am enquiring on behalf of a radio amateur friend living in Bulgaria who has one and which has totally stopped working. He has no documentation, manual, circuit diagram, etc and is looking for some help in finding information,

73 Jim G3OJI

21374. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-18 13:37:15 UTC
From: goldtr8@charter.net
Topic: 21360 Message: 21374

Dont confuse your single point equipment ground with this halo ground mentioned.

Your RF equipment needs a single point ground to keep everything at the same potential. This is an important part of a shack setup to fight RF problems.

I learned a lot about this when fighting RF in my shack this fall.

~73
Don
KD8NNU

On Sat, Dec 17, 2011 at 11:25 PM, Peter Ackermann wrote:

It sounds like you have beginnings of a grounding halo. Ground Halo's
are very common in the broadcast industry. They take a ground line from ground point "A", passed a select group of equipment to be grounded, to ground point "B", then run a ground line from Ground Point "B" back to "A" passed more gear to be grounded.

http://www.comm-omni.com/polyweb/halogrounds.htm
<http://www.comm-omni.com/polyweb/halogrounds.htm>

On 12/17/2011 4:57 PM, Ron Youvan wrote:
>
> Michael N0GLK mherdman37 wrote:
>> So I'm reconfiguring my HF station, and one of the alternatives I'm
> considering would have coax and
>> ground wire leaving my transceiver and running basically right
> beside each other for 5 feet or so
>> before branching off to their respective destinations. Bad idea?
> Thoughts?
> I don't see why that would be any kind of problem. --
> Ron KA4INM - Did you know ... ... that no-one ever reads these things?
>

[Non-text portions of this message have been removed]

<http://www.comm-omni.com/polyweb/halogrounds.htm>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

21375. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-18 14:14:03 UTC
From: goldtr8@charter.net
Topic: 21360 Message: 21375

Thanks Stan for the suggestion to read up on the Polyphaser site. There was stuff I did not know.

I have a second floor shack and do not have a proper enterance ground for lightening protection I have a good RF equipment ground but the more I read the more I am starting to understand the differences. I have been thinking about moving the shack to the basement to for lightening protection and other reasons. I can put the shack close to the power enterance and bond the ground system and add extra rods easily if I move the location and can keep the wire real short. Now I am convinced that this has to be done in the spring when I can move my dipole antennas.

Right now I a bit of time as there is not much lightening in Michigan in winter.

In any case I have some work to do.

Merry Christmas

~73
Don
KD8NNU

On Sat, Dec 17, 2011 at 5:57 PM, Stan Labinsky Jr. wrote:

Actually Mike, you'd want both the coax and ground to be running to the same place, the spot where the coax enters your building. It is there, just outside that entrance point, where your first ground rod should be driven with a second one spaced at twice the rod's length away. That is also where your line power should make connection to that same ground (the green wire).

Will suggest that you Google 'PolyPhaser and read their white papers... a world of knowledge which may just save you a world of hurt someday.

Stan

----- Original Message -----
From: mherdman37
To: ham-antennas@yahoogroups.com
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
Sent: Saturday, December 17, 2011 1:41 PM
Subject: [ham-antennas] Dumb coax/grounding question

So I'm reconfiguring my HF station, and one of the alternatives I'm considering would have coax and ground wire leaving my transceiver and running basically right beside each other for 5 feet or so before branching off to their respective destinations. Bad idea? Thoughts?

Thanks very much.

73,
Michael
N0GLK

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

21376. Re: zero five 43' vertical-- modify height question..

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-18 16:15:30 UTC
From: k2vi
Topic: 21356 Message: 21376

Thanks for the great help ken and the rest of you guys. Will not do a thing to it. It's a beast on 40 and 15 meters. A real dog on 80. They should not advertize it for a functional antenna on 80. 20 is okay but the real ultimate preformance is 40/15. My radials vary from 60' thru 25' spread out evenly 360 degrees. I would strongly recommend it for theese bands.73

tony k2vi

[Non-text portions of this message have been removed]

21377. Re: Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-18 16:19:04 UTC
From: k2vi
Topic: 21360 Message: 21377

If your running an amp do not even think about it. You will blow up the front end of the rig. If you do not run power i would say your good but would keep the two coaxes at least 6" apart or else the shields will couple.

tony k2vi

[Non-text portions of this message have been removed]

21378. Re: [ham-antennas] Re: zero five 43' vertical-- modify height question..

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-18 21:46:35 UTC
From: Ken
Topic: 21356 Message: 21378

On Dec 18, 2011, at 11:15 AM, k2vi wrote:

> Thanks for the great help ken and the rest of you guys. Will not do a thing to it. It's a beast on 40 and 15 meters. A real dog on 80. They should not advertize it for a functional antenna on 80. 20 is okay but the real ultimate preformance is 40/15. My radials vary from 60' thru 25' spread out evenly 360 degrees. I would strongly recommend it for theese bands.73

Tony,

Glad to have helped. As for "they should not advertise it for a functional antenna on 80", well you have to read and understand the specs. EVERY antenna is a compromise. There just are absolutely no magic antennas that do it all. The more you understand about antennas, the more you will be able to analyze the advertising and specs and understand where the compromises are and decide if it is a reasonable compromise for you.

It sure beats some of the guys that are limited to an indoor antenna in their living room!

73,
Ken WA8JXM

21379. v beam and dipole possible interaction

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-19 00:02:34 UTC
From: fly_ul
Topic: 21379 Message: 21379

I am building a set of v beams similar to that in March 2011 QST. The only difference is that my legs are 120 feet instead of 108 feet. I have the center height at 44 feet and the ends at 10 feet. I understand some people love v beams and some people hate v beams. I just like to build antenna and test them. I have a couple of questions?
1. Since the outside legs are 135 degrees apart could I feed it at 160 meters and use it as a dipole?
2. What would be the effect of adding an 80 meter dipole on the same tower at 30 feet? It would be lower by 14 feet at the center and dropping to 10 feet at the ends and it would offset from the outer most v beam elements by 22.5 degrees. I suspect there would be too many wires running in front of the dipole causing much interaction between the two antennas.
3. I just downloaded MMANA and was going to model this but it will take this old geezer a while to get this program figured out. There are some sample v beams but not a 4 element switchable. Does anyone have a similiar model I could use?

I hope this works as described in QST. We shall soon see. Hopefully during Christmas when the kids are home I can get them to put this up.

Thanks in advance for any answers

WO4R Jeff

21380. Re: [ham-antennas] Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-19 02:40:41 UTC
From: stanbarb
Topic: 21360 Message: 21380

Actually, the station can stay on the second floor if that meets your needs, but the cables should come in at ground level, then up through the ceiling to your shack. Remember that the station power needs follow the path of the antenna cables from the entrance panel. Again, the station should be in an electronic capsule with a single entry.

Understand that if the system is struck, the whole shack, radio, computer, etc. will jump to some high level of voltage for a split instant, but since there is no current flowing from device to device on its way to ground, the equipment will not take notice.

Picture an airliner being struck, the bolt hits the nose and exits the tail but all within the fuselage might hear a loud bang, maybe, but the radios and instruments still work.

Stan

----- Original Message -----
From: goldtr8@...
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 18, 2011 9:14 AM
Subject: Re: [ham-antennas] Dumb coax/grounding question

Thanks Stan for the suggestion to read up on the Polyphaser site. There was stuff I did not know.

I have a second floor shack and do not have a proper enterance ground for lightening protection I have a good RF equipment ground but the more I read the more I am starting to understand the differences. I have been thinking about moving the shack to the basement to for lightening protection and other reasons. I can put the shack close to the power enterance and bond the ground system and add extra rods easily if I move the location and can keep the wire real short. Now I am convinced that this has to be done in the spring when I can move my dipole antennas.

Right now I a bit of time as there is not much lightening in Michigan in winter.

In any case I have some work to do.

Merry Christmas

~73
Don
KD8NNU

On Sat, Dec 17, 2011 at 5:57 PM, Stan Labinsky Jr. wrote:

Actually Mike, you'd want both the coax and ground to be running to the same place, the spot where the coax enters your building. It is there, just outside that entrance point, where your first ground rod

should be driven with a second one spaced at twice the rod's length
away. That is also where your line power should make connection to that
same ground (the green wire).

Will suggest that you Google 'PolyPhaser and read their white papers...
a world of knowledge which may just save you a world of hurt someday.

Stan

----- Original Message -----
From: mherdman37
To: ham-antennas@...m
<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
Sent: Saturday, December 17, 2011 1:41 PM
Subject: [ham-antennas] Dumb coax/grounding question

So I'm reconfiguring my HF station, and one of the alternatives I'm
considering would have coax and ground wire leaving my transceiver and
running basically right beside each other for 5 feet or so before
branching off to their respective destinations. Bad idea? Thoughts?

Thanks very much.

73,
Michael
N0GLK

[Non-text portions of this message have been removed]

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21381. Radials and Snow (Re: [ham-antennas] Just in Time for Winter)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-19 04:38:22 UTC
From: w9swt
Topic: 21337 Message: 21381

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Steve
>
> As long as your planning on a dozen or more radials the snow and wet
> ground will likely have little affect
>
> Even with as few as 4 you will likely not be able to "hear" the difference
>
> Have fun
> Dave
> NR1DX
>

Thanks Dave,

Because it snowed just in time for the weekend, the ground was snowy and wet. I hadn't weather sealed the 2 verticals (for posible adjustments), so I didn't want to lay them on the ground to measure the 1/2 wave separation.

So I put up one and used it as a simple ground plane. It didn't budge the SWR meter (FT-857D) across the whole voice portion of the 20m band. Contacted a station in eastern France.

Steve ~ W8SWT

21382. Re: [ham-antennas] Re: Launcher

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-19 15:29:16 UTC
From: Jay Jordan
Topic: 21344 Message: 21382

my first ...... fender washers tied to a string

Jay NX2C

[Non-text portions of this message have been removed]

21383. OT: 60 YEARS of CQ MAGAZINE as PDF's - Please Contact Me Off List

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-20 12:19:18 UTC
From: k7hi
Topic: 21383 Message: 21383

Please contact me off list if interested in CQ Magazine pdf's 1945 to 2005.

Thanks,
Howard, K7HI
http://www.qrz.com/db/k7hi
http://www.eham.net/classifieds/detail/361324

21384. Re: [ham-antennas] OT: 60 YEARS of CQ MAGAZINE as PDF's - Please Contact Me Off List

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-20 14:04:24 UTC
From: zvonimir mavracic
Topic: 21383 Message: 21384

Hello!

  Im interested in pdf-s!

  Give me more info!

  73 de 9a5bcl, Zvonimir

>_____
>From: k7hi <k7hi.mm@...>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, December 20, 2011 1:19 PM
>Subject: [ham-antennas] OT: 60 YEARS of CQ MAGAZINE as PDF's - Please Contact Me Off List
>
>
>
>
>Please contact me off list if interested in CQ Magazine pdf's 1945 to 2005.
>
>Thanks,
>Howard, K7HI
>http://www.qrz.com/db/k7hi
>http://www.eham.net/classifieds/detail/361324
>
>
>
>
>

[Non-text portions of this message have been removed]

21385. Balun success Yeah!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-20 15:25:43 UTC
From: Jim Whitaker
Topic: 21385 Message: 21385

Thanks for all the advice, I just through the balum on my radio with a 200 ohm load (Still haven't gotten my MFJ Analyzer) and its flat from 1.8 to 50 MHz and 1.1 to 54. I'm sure my SWR meter isn't perfect but close enough for now :-)

de n8xyn Jim

21386. Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-20 17:22:55 UTC
From: Jim Whitaker
Topic: 21386 Message: 21386

I live with antenna restrictions, but wire strung low to the roof doesn't draw attention. I'm thinking about building a loop at about 9 inches above the roof on PVC sections. It would follow the pitch of the roof peaking about 4 feet higher at the center then dropping back down the other side. Does this seem like it will function correctly or will the sloping plain be an issue? I would just try it but putting up all the supports and springs isn't fun.

de n8xyn Jim k

21387. Re: [ham-antennas] Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-20 22:07:20 UTC
From: Don Sanders
Topic: 21386 Message: 21387

I have installed and operated similar loops under the eves of 2 and 3 story homes.
They worked all bands well fed from a SGC 230 tuner.
Dr Don HC4/W4BWS
On Tue, Dec 20, 2011 at 12:22 PM, Jim Whitaker <jimawhitaker@...>wrote:

> **
>
>
> I live with antenna restrictions, but wire strung low to the roof doesn't
> draw attention. I'm thinking about building a loop at about 9 inches above
> the roof on PVC sections. It would follow the pitch of the roof peaking
> about 4 feet higher at the center then dropping back down the other side.
> Does this seem like it will function correctly or will the sloping plain be
> an issue? I would just try it but putting up all the supports and springs
> isn't fun.
>
> de n8xyn Jim k
>
>
>

[Non-text portions of this message have been removed]

21388. Re: [ham-antennas] Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-20 23:46:27 UTC
From: Artekmedia
Topic: 21386 Message: 21388

Jim

The antenna will work. I would not plan on running any power more than 100 watts. Even barefoot you may find you have a lot of problems with TVI and the radio getting into your phones and stereo as this set up will likely couple into the wiring in the house. I have on occasion loaded the metal trim around the edge of roof and even made a contact or two that way on 160M. I am guessing as it is relatively low to the ground that this antenna will be good for short range more than DX.... but you will get out

Recently I made several QSO's (several of them DX) on 30M with nothing more than a 25' piece of hook up wire connected directly to the output of my TS950 and then out the window to a tree.

Dave
NR1DX

On 12/20/2011 11:22 AM, Jim Whitaker wrote:
>
> I live with antenna restrictions, but wire strung low to the roof
> doesn't draw attention. I'm thinking about building a loop at about 9
> inches above the roof on PVC sections. It would follow the pitch of
> the roof peaking about 4 feet higher at the center then dropping back
> down the other side. Does this seem like it will function correctly or
> will the sloping plain be an issue? I would just try it but putting up
> all the supports and springs isn't fun.
>
> de n8xyn Jim k
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21389. Re: [ham-antennas] Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 00:04:13 UTC
From: Jim Whitaker
Topic: 21386 Message: 21389

(I have installed and operated similar loops under the eves of 2 and 3 story homes.
They worked all bands well fed from a SGC 230 tuner.
Dr Don HC4/W4BWS)

That’s encouraging, so to the planning, seems the hard part is mechanical, how to keep the wire under tension. I use stainless steel springs usually, I'll find a way... Thanks

de n8xyn Jim

21390. Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 00:24:56 UTC
From: VE3FMC
Topic: 21386 Message: 21390

If you want to beat those HOA rules here is a neat trick that will work.

If you have a long rain gutter on your home you can put some Christmas lights up on the gutters using those little plastic clips that clip on the gutters then hold the light bulbs.

Now surely there are no laws against Christmas lights. So you then take the extension cord to your shack window. Cut the plug off and solder on a coax pigtail and run that to a good tuner.

Now you have an antenna! Try to keep the extension cord off the ground if possible.

That setup is just like having a loop, only it is close spaced. I have done this in the past with 50 feet of lights and another 25 feet of extension cord. So that is like having 150 feet of wire. It tuned very easily on 40 meters. I only ran 100 watts into it at the time. Would have been fun to run 300-400 watts into it to see if the lights flickered off and on with the SSB audio :)

Your idea of the loop suspended just above the roof will work too. If you can get it higher off the roof that would be better of course. Maybe you could use magnet wire suspended with small black supports.

Hey any antenna is better than no antenna.

73, Merry Christmas to all from Rick VE3FMC

--- In ham-antennas@yahoogroups.com, "Jim Whitaker" <jimawhitaker@...> wrote:
>
> I live with antenna restrictions, but wire strung low to the roof doesn't draw attention. I'm thinking about building a loop at about 9 inches above the roof on PVC sections. It would follow the pitch of the roof peaking about 4 feet higher at the center then dropping back down the other side. Does this seem like it will function correctly or will the sloping plain be an issue? I would just try it but putting up all the supports and springs isn't fun.
>
>
> de n8xyn Jim k
>

21391. AW: [ham-antennas] Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 09:32:03 UTC
From: siegfried.jackstien
Topic: 21386 Message: 21391

And every few feet you have a resistor in the wire (the light bulb)
No good idea ...
There are better ways to get over hoa rules:
Flagpole as an example
with added tophat wire(s) good for the lowbands
without tophat good for 10-40
Or bird feeder hanging down from a tree (to protect the antenna or coax that is in the tree)
The small stand-offs and a thin wire would surely be nearly invisible
(the loop along the house)
And if somebody says something against that nearly not noticeable antenna tell that it is for emergency use (remember them on earthquakes and thunderstorms etc.) ... and as a "patriotic" nobody will be upset that you have a flagpole ...
As "non-patriotic" you can hiss a Ferrari flag and say you are a "micheal-schumacher-fan" :-) (or a "becks-flag" and say you love german beer hi hi)

The thing is not that you are not allowed to erect an antenna ... the problem is that the antenna has to be stealthy ...
And there are many many solutions for that

You will find a lot solutions if you look for stealthy antennas or antennas for a small garden (on4un low band dxing chapter 14 as an example)

So GET ON THE AIR :-)

Greetz
Dg9bfc
Sigi

Merry xmas and happy 2012

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von VE3FMC
> Gesendet: Mittwoch, 21. Dezember 2011 00:25
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Full wave loop on roof?
>
>
>
> If you want to beat those HOA rules here is a neat trick that will work.
>
> If you have a long rain gutter on your home you can put some Christmas
> lights up on the gutters using those little plastic clips that clip on the

> gutters then hold the light bulbs.
>
> Now surely there are no laws against Christmas lights. So you then take
> the extension cord to your shack window. Cut the plug off and solder on a
> coax pigtail and run that to a good tuner.
>
> Now you have an antenna! Try to keep the extension cord off the ground if
> possible.
>
> That setup is just like having a loop, only it is close spaced. I have
> done this in the past with 50 feet of lights and another 25 feet of
> extension cord. So that is like having 150 feet of wire. It tuned very
> easily on 40 meters. I only ran 100 watts into it at the time. Would have
> been fun to run 300-400 watts into it to see if the lights flickered off
> and on with the SSB audio :)
>
> Your idea of the loop suspended just above the roof will work too. If you
> can get it higher off the roof that would be better of course. Maybe you
> could use magnet wire suspended with small black supports.
>
> Hey any antenna is better than no antenna.
>
> 73, Merry Christmas to all from Rick VE3FMC
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "Jim Whitaker" <jimawhitaker@...> wrote:
> >
> > I live with antenna restrictions, but wire strung low to the roof
> doesn't draw attention. I'm thinking about building a loop at about 9
> inches above the roof on PVC sections. It would follow the pitch of the
> roof peaking about 4 feet higher at the center then dropping back down the
> other side. Does this seem like it will function correctly or will the
> sloping plain be an issue? I would just try it but putting up all the
> supports and springs isn't fun.
> >
> >
> > de n8xyn Jim k
> >
>
>
>
>

21392. multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 10:55:01 UTC
From: Richard
Topic: 21392 Message: 21392

Hi
Sitting here twiddling my thumbs waiting for some Aluminium fencing wire to arrive by post, I was wondering whether I maybe better off using a OCFD cut for 40mtrs, with a 4:1 balun and coaxial
feed.
Advantage, that any mismatch at resonance will be divided down as well, would there be any advantage
using a similar construction to a multiple CF dipole to get a better match on the higher bands ?

--
Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
###
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
###

21393. AW: [ham-antennas] multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 11:17:52 UTC
From: siegfried.jackstien
Topic: 21392 Message: 21393

Why only cut for 40???
Ever heard of the centerloaded ocfd??
That gives you more bands and a better match
You can also add more bands with a fan-like ocfd (two different ones
paralleled at the balun)

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard
> Gesendet: Mittwoch, 21. Dezember 2011 10:55
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] multiple OCFD
>
>
>
> Hi
> Sitting here twiddling my thumbs waiting for some Aluminium fencing wire
> to arrive by post,
> I was wondering whether I maybe better off using a OCFD cut for 40mtrs,
> with a 4:1 balun and coaxial
> feed.
> Advantage, that any mismatch at resonance will be divided down as well,
> would there be any advantage
> using a similar construction to a multiple CF dipole to get a better match
> on the higher bands ?
>
> --
> Best wishes / 73
> Richard Bown
>
> e-mail: richard@... <mailto:richard%40g8jvm.com> or
> richard.bown@... <mailto:richard.bown%40blueyonder.co.uk>
>
> nil carborundum a illegitemis
> ##
> ##########
> Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon
> 5200, 4 GB RAM
> Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
> QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
> ##
> ##########

>
>
>

21394. Re: [ham-antennas] multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 11:27:02 UTC
From: richard
Topic: 21392 Message: 21394

On Wed, 21 Dec 2011 11:17:52 -0000
"siegfried.jackstien" <siegfried.jackstien@...> wrote:

> Why only cut for 40???
> Ever heard of the centerloaded ocfd??
> That gives you more bands and a better match
> You can also add more bands with a fan-like ocfd (two different ones
> paralleled at the balun)
>
> Dg9bfc
> Sigi
>
>
Thanks Sigi
You've answered the fan question, I'll google the centerloaded OCFD and find
out the difference.

73 Richard G8JVM

21395. Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 11:33:44 UTC
From: Jim Whitaker
Topic: 21386 Message: 21395

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Jim
>
> The antenna will work. I would not plan on running any power more than
> 100 watts. Even barefoot you may find you have a lot of problems with
> TVI and the radio getting into your phones and stereo as this set up
> will likely couple into the wiring in the house. I have on occasion
> loaded the metal trim around the edge of roof and even made a contact or
> two that way on 160M. I am guessing as it is relatively low to the
> ground that this antenna will be good for short range more than DX....
> but you will get out
>
> Recently I made several QSO's (several of them DX) on 30M with
> nothing more than a 25' piece of hook up wire connected directly to the
> output of my TS950 and then out the window to a tree.
>
> Dave
> NR1DX
>

Is it more of an issue with loops than say dipoles? My current antenna is a 40 meter OCFD and I do have problems from time to time with some devices (Especially motion lights and touch lamps), it seems to be frequency dependent. So far I've found bare #16 copper wire doesn't attract attention and I could fit a 40 meter loop all within the roof area.

de n8xyn Jim k

21396. Re: [ham-antennas] Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 12:54:30 UTC
From: Artekmedia
Topic: 21386 Message: 21396

Every situation is different and RFI in the house depends on the self resonance of the wiring in the house (a function of the house wring lengths). RF grounding sometimes helps and a separate RF ground close to your equipment is always a good idea and often helps. High power of course makes it worse. No easy way to predict how much coupling you will have , your just going to have to put it up and see what happens

Touch lamps are another beast all together ... I recall a situation I had years ago at a different QTH. I was running high power and a "stealth Inverted L" on 160M . Usually I was only on that band late at night around midnight local time catching the sunrise into Europe. The next door neighbor was not even aware I was a ham and one day he mentions to me he was wondering whether or not he had a ghost ! Seems the ghost would turn on the touch lamp at his bedside late at night. The light would go from dim to bright , to brighter and off again in rapid succession (around 15-25 wpm :-)) this would last for a few seconds to a minute or more and then would quit for a few minutes ..it was waking him up and driving him nuts. A simple ghost proofing technique of adding a ferrite to the power cord of the lamp discouraged the ghost from returning to my neighbors lamp :-) ...YMMV but it is worth getting some clip on ferrites for your motion lights and touch lamps and trying them Dozens of guys selling "ferrites" on Evil-bay for just this purpose

73
Dave
NR1DX

On 12/21/2011 5:33 AM, Jim Whitaker wrote:
>
>
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Artekmedia <nr1dx@...> wrote:
> >
> > Jim
> >
> > The antenna will work. I would not plan on running any power more than
> > 100 watts. Even barefoot you may find you have a lot of problems with
> > TVI and the radio getting into your phones and stereo as this set up
> > will likely couple into the wiring in the house. I have on occasion
> > loaded the metal trim around the edge of roof and even made a
> contact or
> > two that way on 160M. I am guessing as it is relatively low to the
> > ground that this antenna will be good for short range more than DX....
> > but you will get out
> >

> > Recently I made several QSO's (several of them DX) on 30M with
> > nothing more than a 25' piece of hook up wire connected directly to the
> > output of my TS950 and then out the window to a tree.
> >
> > Dave
> > NR1DX
> >
>
> Is it more of an issue with loops than say dipoles? My current antenna
> is a 40 meter OCFD and I do have problems from time to time with some
> devices (Especially motion lights and touch lamps), it seems to be
> frequency dependent. So far I've found bare #16 copper wire doesn't
> attract attention and I could fit a 40 meter loop all within the roof
> area.
>
> de n8xyn Jim k
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21397. Re: [ham-antennas] multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 13:02:03 UTC
From: Ron Youvan
Topic: 21392 Message: 21397

Richard G8JVM wrote:

> Sitting here twiddling my thumbs waiting for some Aluminum fencing wire to arrive by post,
> I was wondering whether I maybe better off using a OCFD cut for 40mtrs, with a 4:1 balun and coaxial
> feed.
> Advantage, that any mismatch at resonance will be divided down as well, would there be any advantage
> using a similar construction to a multiple CF dipole to get a better match on the higher bands ?

A mismatch results from connecting two different impedances eg. antenna characteristic and transmission surge, any impedance transformer can match the two, but not "reduce the mismatch by
division."
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21398. Re: [ham-antennas] Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 13:20:40 UTC
From: Jay Jordan
Topic: 21386 Message: 21398

Also don't be surprised if the GFCI outlets chatter a bit when you transmit (happened to me)

Jay NX2C

Jim

The antenna will work. I would not plan on running any power more than 100 watts. Even barefoot you may find you have a lot of problems with TVI and the radio getting into your phones and stereo as this set up will likely couple into the wiring in the house. I have on occasion loaded the metal trim around the edge of roof and even made a contact or two that way on 160M. I am guessing as it is relatively low to the ground that this antenna will be good for short range more than DX.... but you will get out

[Non-text portions of this message have been removed]

21399. Re: AW: [ham-antennas] Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 13:41:24 UTC
From: Ken
Topic: 21386 Message: 21399

On Dec 21, 2011, at 4:32 AM, siegfried.jackstien wrote:

> And every few feet you have a resistor in the wire (the light bulb)
> No good idea ...

True, but will anyone notice if there is an extra wire running with the light strand? One not connected to anything on the far end? ;-)

Ken WA8JXM

21400. Re: [ham-antennas] Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 13:47:42 UTC
From: Frank Kirschner
Topic: 21386 Message: 21400

Wrong. The control freak HOA at my last QTH only allowed Christmas lights two weeks before and one week after Christmas. There are no limits to the extent that some people will go to interfere with others' lives. That's the main reason I moved. (I had been inactive for ten years when we moved, so it wasn't a major consideration.)

I had an indoor fan dipole (worked 60 countries with it), and sneaked a screwdriver vertical into the yard with 25 stealth radials in the grass after dark.

73,
Frank
KF6E

On Tue, Dec 20, 2011 at 7:24 PM, VE3FMC <ve3fmc@...> wrote:

> **
>
> Now surely there are no laws against Christmas lights.
>

[Non-text portions of this message have been removed]

21401. Re: [ham-antennas] Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 14:00:29 UTC
From: Frank Kirschner
Topic: 21386 Message: 21401

It's an issue of field strength rather that the shape of the antenna per se. If one end of a dipole is close to electrical circuits, that may be a problem. Generally, dipoles hang either parallel to the house (eg., inverted V on trees behind the house) or perpendicular to it, with the house as one support (my case). The further away you keep the antenna, the lower the field strength, and hence, the less the interference. Of course, I'm assuming that the antenna is far enough away from the other wires that there is no arcing. The voltage is highest near the ends of dipoles, so that is a consideration.

In the case of the loop, it would be hard to predict without the exact dimensions and frequencies. Internally, the fields from the different legs may add or subtract. Yes, it will be very frequency-dependent, both because the field strength depends on frequency given a fixed antenna geometry, and some devices are more sensitive to specific frequencies. The GFI outlet feeding my Verizon FIOS cable head box would trip on 15 meters until I put a large snap-on core on the AC power line.

My suggestion: buy a bunch of snap-on ferrite cores, make sure you have a good ground at the shack (if you're above the first floor, consider an "artificial ground" like the one MFJ sells), and keep the power at 100 watts or below. Operate and see what appliances need the cores. Put them on, and then buy more.

GL

73,
Frank
KF6E

On Wed, Dec 21, 2011 at 6:33 AM, Jim Whitaker <jimawhitaker@...>wrote:

> **
>
> Is it more of an issue with loops than say dipoles? My current antenna is
> a 40 meter OCFD and I do have problems from time to time with some devices
> (Especially motion lights and touch lamps), it seems to be frequency
> dependent. So far I've found bare #16 copper wire doesn't attract attention
> and I could fit a 40 meter loop all within the roof area.
>
> de n8xyn Jim k
>
>
>

[Non-text portions of this message have been removed]

21402. Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 14:55:40 UTC
From: Jim Whitaker
Topic: 21386 Message: 21402

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> Every situation is different and RFI in the house depends on the self
> resonance of the wiring in the house (a function of the house wring
> lengths). RF grounding sometimes helps and a separate RF ground close to
> your equipment is always a good idea and often helps. High power of
> course makes it worse. No easy way to predict how much coupling you will
> have , your just going to have to put it up and see what happens
>
> Touch lamps are another beast all together ... I recall a situation I
> had years ago at a different QTH. I was running high power and a
> "stealth Inverted L" on 160M . Usually I was only on that band late at
> night around midnight local time catching the sunrise into Europe. The
> next door neighbor was not even aware I was a ham and one day he
> mentions to me he was wondering whether or not he had a ghost ! Seems
> the ghost would turn on the touch lamp at his bedside late at night. The
> light would go from dim to bright , to brighter and off again in rapid
> succession (around 15-25 wpm :-)) this would last for a few seconds
> to a minute or more and then would quit for a few minutes ..it was
> waking him up and driving him nuts. A simple ghost proofing

It's amazing what conclusion some people will jump to! My brothers wife was hearing shuffling in her attic on a nightly basis, her very first thought was "It's aliens". Nope not animals, wind, thieves or even ghosts, nope aliens ;-)

de n8xyn k

21403. AW: [ham-antennas] multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 16:53:01 UTC
From: siegfried.jackstien
Topic: 21392 Message: 21403

http://hamwaves.com/cl-ocfd/

i modelled one in mmana ... added "sleeve wires" to it (for the bands that
are missing) and now ALL bands except 160
I only modelled it but will try to reproduce it here
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von richard
> Gesendet: Mittwoch, 21. Dezember 2011 11:27
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] multiple OCFD
>
>
>
> On Wed, 21 Dec 2011 11:17:52 -0000
> "siegfried.jackstien" <siegfried.jackstien@...
> <mailto:siegfried.jackstien%40freenet.de> > wrote:
>
> > Why only cut for 40???
> > Ever heard of the centerloaded ocfd??
> > That gives you more bands and a better match
> > You can also add more bands with a fan-like ocfd (two different ones
> > paralleled at the balun)
> >
> > Dg9bfc
> > Sigi
> >
> >
> Thanks Sigi
> You've answered the fan question, I'll google the centerloaded OCFD and
> find
> out the difference.
>
> 73 Richard G8JVM
>
>
>

21404. Re: [ham-antennas] Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 17:11:40 UTC
From: dean
Topic: 21386 Message: 21404

Ahhhh the evil beasties that the wife loves, Touch lamps. I turn on the ones in the house. I guess I don’t have enough ferrite cores so will have to get more. I turn mine own on with just 100W’s of power.

73, WY6L

From: Artekmedia
Sent: Wednesday, December 21, 2011 4:54 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Full wave loop on roof?

Every situation is different and RFI in the house depends on the self resonance of the wiring in the house (a function of the house wring lengths). RF grounding sometimes helps and a separate RF ground close to your equipment is always a good idea and often helps. High power of course makes it worse. No easy way to predict how much coupling you will have , your just going to have to put it up and see what happens

Touch lamps are another beast all together ... I recall a situation I had years ago at a different QTH. I was running high power and a "stealth Inverted L" on 160M . Usually I was only on that band late at night around midnight local time catching the sunrise into Europe. The next door neighbor was not even aware I was a ham and one day he mentions to me he was wondering whether or not he had a ghost ! Seems the ghost would turn on the touch lamp at his bedside late at night. The light would go from dim to bright , to brighter and off again in rapid succession (around 15-25 wpm :-)) this would last for a few seconds to a minute or more and then would quit for a few minutes ..it was waking him up and driving him nuts. A simple ghost proofing technique of adding a ferrite to the power cord of the lamp discouraged the ghost from returning to my neighbors lamp :-) ...YMMV but it is worth getting some clip on ferrites for your motion lights and touch lamps and trying them Dozens of guys selling "ferrites" on Evil-bay for just this purpose

73
Dave
NR1DX

On 12/21/2011 5:33 AM, Jim Whitaker wrote:
>
>
>
> --- In mailto:ham-antennas%40yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Artekmedia <nr1dx@...> wrote:
> >
> > Jim

> >
> > The antenna will work. I would not plan on running any power more than
> > 100 watts. Even barefoot you may find you have a lot of problems with
> > TVI and the radio getting into your phones and stereo as this set up
> > will likely couple into the wiring in the house. I have on occasion
> > loaded the metal trim around the edge of roof and even made a
> contact or
> > two that way on 160M. I am guessing as it is relatively low to the
> > ground that this antenna will be good for short range more than DX....
> > but you will get out
> >
> > Recently I made several QSO's (several of them DX) on 30M with
> > nothing more than a 25' piece of hook up wire connected directly to the
> > output of my TS950 and then out the window to a tree.
> >
> > Dave
> > NR1DX
> >
>
> Is it more of an issue with loops than say dipoles? My current antenna
> is a 40 meter OCFD and I do have problems from time to time with some
> devices (Especially motion lights and touch lamps), it seems to be
> frequency dependent. So far I've found bare #16 copper wire doesn't
> attract attention and I could fit a 40 meter loop all within the roof
> area.
>
> de n8xyn Jim k
>
>

--
Dave& Lynn Henderson
mailto:Manuals%40ArtekMedia.com
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21405. Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 17:48:05 UTC
From: fred
Topic: 21386 Message: 21405

had a GFI outlet in the utility room for the refrigerator and it would trip every time I loaded up on 20 metres . it has long since been replaced .
kd5pnt

--- In ham-antennas@yahoogroups.com, Jay Jordan <specops_center@...> wrote:
>
> Also don't be surprised if the GFCI outlets chatter a bit when you transmit (happened to me)
>
> Jay NX2C
>
>
> _____
>
>
> Jim
>
> The antenna will work. I would not plan on running any power more than
> 100 watts. Even barefoot you may find you have a lot of problems with
> TVI and the radio getting into your phones and stereo as this set up
> will likely couple into the wiring in the house. I have on occasion
> loaded the metal trim around the edge of roof and even made a contact or
> two that way on 160M. I am guessing as it is relatively low to the
> ground that this antenna will be good for short range more than DX....
> but you will get out
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21406. Re: zero five 43' vertical-- modify height question..

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 18:12:14 UTC
From: Ashton
Topic: 21356 Message: 21406

If you attach about a 30 foot wire to the top of the antenna and pull it away from the antenna it will load much more efficiently on 80 meters... as an inverted L. When you don't want the extra top loading just wrap the wire around the antenna where it will have no effect.

If you fuss with the length you can get the antenna to load on 80 without a tuner. But as long as you have a tuner then having the length somewhere between 25 and 30 feet will be fine. The more you pull it away from the top of the antenna the less length you need...

And you can do the same thing on 160 meters... just more wire. Sure, a 123 foot vertical will have an even lower angle of radiation. But Most of us don't have a way to run a 123' vertical. And the difference between and inverted L and a 1/4wl vertical isn't all that great.

KQ0C

--- In ham-antennas@yahoogroups.com, "anthony" <k2vi@...> wrote:
>
> I have a zero five 43' vertical with 60 ground radials. I preforms bad on 80. It does very well for long haul contacts on 40. Im looking to make it my 40 meter ONLY antenna. I am wondering if by shortening it to make it a 33' vertical which will be a perfect match for 40 would it preform any better or just leave well enough alone? Any ideas or input would be apreciated. good dx.
>
> tony k2vi
>

21407. Re: Portable Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 18:19:28 UTC
From: Ashton
Topic: 21333 Message: 21407

Take 50 feet of speaker wire. Split the first 22 feet and put some tape at the split to keep it from going further. Double the split ends back just enough to tape in a small loop that you can attach strings to. Hang the antenna as in inverted V (from a tree or using a fibreglass pole). Pull the ends out to be a V using your string. Use the remaining 28 feet of speaker wire as your feed line... to a small balun like the very inexpensive LDG 4:1. Using the internal tuner in your radio, or a backpacking tuner this antenna will tune on every band above 80 meters and will outperform almost any commercial antenna (I have them all). Only a Par EndFedz will be close and those are mostly monobanders. This antenna with balun weighs hardly anything and packs in a baggie.

--- In ham-antennas@yahoogroups.com, Bob Pelling <ve3xnb@...> wrote:
>
>
> Greeting to all
>
> Other than Buddipole what portable Antennas along the same idea are out there? I have a Buddipole and love it but am curious.
> Thanks in advance
> The best of the season to all.
>
> 73 de Bob VE3XNB ve3xnb@...
> FP-1852, NAQCC-2607, SKCC 7708, ARRL, RAC, CCO, NEQRP, KWARC, GARC, CANWARN-1141
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21408. Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 18:38:23 UTC
From: Ashton
Topic: 21234 Message: 21408

I "elmer" a lot of new hams.

The key questions are where do you live and how "bought in" is your wife?

If you have big trees and some space I'd recommend an off center fed dublet/dipole like the Buckmaster antennas. That way you get practically every band in one antenna without needing a tuner. They work great. Great.

Lacking trees and living in a more suburban environment I often go with a Hustler 6BTV painted camo green. You can barely see one of these if erected right next to a tree, even a short one. Again you get lots of bands with one antenna. While there are better antennas, there are few as simple to get up, as inexpensive or as effective. The thing you need to remember is that "Everything works ... just some things work better than others". A good vertical will get you plenty... I mean plenty.. of contacts particularly on the higher bands. And painting an antenna camo green is 10 times more effective at hiding it than you can possibly believe.

If you really have neighborhood issues or a wife that can't even tolerate a small antenna (yet... they all give in eventually) then you go with a TW2010 portable folding vertical dipole. These are nearly invisible when up, and can be erected and taken down in less than a minute. You just fold them up when not in use.

An alternative to that is a remote tuner (Like made by SGC, iCom of yaesu) feeding a vertical wire or inverted L wire. There is nothing in the air but a bit of wire. I dare anyonbe to either see or object to that little wire.

Now, if you live on a farm and have nothing holding you back at all except not wanting to spend thousands before you know if you love ham radio you get a hex beam, put it on an army surplus crank up tower from Ontario Surplus and then you hang some wires for the low bands. Thats a better station than 3/4's of hams will ever have. And its about $800 for everything.

KQ0C

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
>

21409. Re: [ham-antennas] Re: Portable Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 18:39:01 UTC
From: Ron Youvan
Topic: 21333 Message: 21409

Ashton Lee wrote:

> Take 50 feet of speaker wire. Split the first 22 feet and put some tape at the split to keep it from
> going further. Double the split ends back just enough to tape in a small loop that you can attach
> strings to. Hang the antenna as in inverted V (from a tree or using a fiberglass pole). Pull the
> ends out to be a V using your string. Use the remaining 28 feet of speaker wire as your feed line...
> to a small balun like the very inexpensive LDG 4:1. Using the internal tuner in your radio, or a
> backpacking tuner this antenna will tune on every band above 80 meters and will outperform almost
> any commercial antenna (I have them all). Only a Par EndFedz will be close and those are mostly
> monobanders. This antenna with balun weighs hardly anything and packs in a baggie.

This is the same as "zip cord." `Zip cord dipoles' were the "the thing" BEFORE WWII when "coax"
was unheard of. I worked with a OM that never used anything else.

There is a special knot to be used where the split ends, it is in older ARRL handbooks tape and
tie wraps are unneeded.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21410. Re: [ham-antennas] Re: Portable Antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 18:44:56 UTC
From: VE3FAL-Fred
Topic: 21333 Message: 21410

Electricians or Underwriters knot is used....

Fred
YouKits Canada Rep.
http://www.youkits.com
CIW649/VE3FAL
CFARS Member
SATERN Member
SATERN Amateur Radio Liaison Officer Great Lakes Region
http://www.satern.org
DEC Amethyst District ARES
http://www.thunderbay.emergencyradio.ca/

On Wed, 21 Dec 2011 13:39:01 -0500
Ron Youvan <ka4inm@...> wrote:
Ashton Lee wrote:

> Take 50 feet of speaker wire. Split the first 22 feet and put some tape at
>the split to keep it from
> going further. Double the split ends back just enough to tape in a small loop
>that you can attach
> strings to. Hang the antenna as in inverted V (from a tree or using a
>fiberglass pole). Pull the
> ends out to be a V using your string. Use the remaining 28 feet of speaker
>wire as your feed line...
> to a small balun like the very inexpensive LDG 4:1. Using the internal tuner
>in your radio, or a
> backpacking tuner this antenna will tune on every band above 80 meters and
>will outperform almost
> any commercial antenna (I have them all). Only a Par EndFedz will be close
>and those are mostly
> monobanders. This antenna with balun weighs hardly anything and packs in a
>baggie.

This is the same as "zip cord." `Zip cord dipoles' were the "the thing"
BEFORE WWII when "coax"
was unheard of. I worked with a OM that never used anything else.

There is a special knot to be used where the split ends, it is in older
ARRL handbooks tape and
tie wraps are unneeded.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21411. Re: Full wave loop on roof?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 19:00:24 UTC
From: Ashton
Topic: 21386 Message: 21411

Everything works, just some things work better than others.

You can make plenty of contacts using a light bulb as an antenna.

Antennas on or near the roof work. (But this tend to pick up all the noise from the house and maximize RFI problems).

But I'd bet that putting a remote tuner (SGC, ICom , or Yaesu) in a bush and running a wire up over a tree branch would be 1) More hidden and 2) perform better. You would want at least a basic radial system.

I also find that if you use black wire and paint any balun black you can put just about any size dipole up in the trees without anyone ever knowing it is there.

--- In ham-antennas@yahoogroups.com, "Jim Whitaker" <jimawhitaker@...> wrote:
>
> I live with antenna restrictions, but wire strung low to the roof doesn't draw attention. I'm thinking about building a loop at about 9 inches above the roof on PVC sections. It would follow the pitch of the roof peaking about 4 feet higher at the center then dropping back down the other side. Does this seem like it will function correctly or will the sloping plain be an issue? I would just try it but putting up all the supports and springs isn't fun.
>
>
> de n8xyn Jim k
>

21412. Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 19:24:06 UTC
From: nickcarr3151
Topic: 21234 Message: 21412

No offense KQ0C, but the Hustler 6BTV is a waste of money.

IMHO, it's NOT easy to set up and takes quite a bit of time to tune the traps, presuming you want a low SWR. Even if you place it in an empty field with a quality radial system, you still need to tune the traps for *each* band. This is tedious and time-consuming. And what if one of the bands doesn't "tune" properly. Grrr!

I followed the "instructions" that came with my 6BTV to the "T" and it was the worst experience ever.

Construction quality is poor and the documentation is even worse. I had to dig up on the internet the trap re-tuning instructions as my traps were apparently not calibrated at the factory. (This information was NOT included with the antenna.)

Now perhaps I just got a lemon but it's not a good first antenna.

Shortly after that fiasco, I purchased the Zero Five 10-40 GP vertical antenna and it has worked beautifully. Granted, it's only 40m on up but it works! And it simply defines "quality construction."

No radial wires to mess with and it's footprint is relatively small. You can use your built-in tuner or go with a remote tuner set up. It's very flexible.

You can install the ZF 10-40GP and be on the air in about an hour.

Here's a picture: http://home.comcast.net/~cnick6/1040b.jpg

Cheers,
-Nick, k7cj

>
> Lacking trees and living in a more suburban environment I often go with a Hustler 6BTV painted camo green. You can barely see one of these if erected right next to a tree, even a short one. Again you get lots of bands with one antenna. While there are better antennas, there are few as simple to get up, as inexpensive or as effective.
>
> KQ0C
>
>
> --- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@> wrote:
> >
> > I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
> >
>

21413. TV set QRN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 19:34:53 UTC
From: Joe
Topic: 21413 Message: 21413

TV set (old CRT TV) causes noise for HF reception
noise dissapears when I disconnect the coax cable from the TV
the noise is present even the TV is off it seems the power supply still operates even TV is OFF.

I tried ferrite chokes on the coax and on TV power cable in different quantity and different configurations. The only method to stop the noise is to diconnect the TV power cable or the coax from TV.

Any ideas ?

Thanks in advance

Lan

21414. Re: [ham-antennas] Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 19:40:10 UTC
From: Dan Schaaf
Topic: 21234 Message: 21414

I had a 6BTV and I followed the instruction from the DX Engineering Tech Supplement, which is available on their website, and the antenna worked very well for me. Yes, you have to adjust the traps but it was not difficult.
The antenna is built at the factory to resonate with no radials.
Once tuned, I worked a lot of long haul DX with it, especially on the 30 and 40 meter bands.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: nickcarr3151
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 21, 2011 2:24 PM
Subject: [ham-antennas] Re: what was your first HF antenna Or what would you recommend as a first HF antenna

No offense KQ0C, but the Hustler 6BTV is a waste of money.

IMHO, it's NOT easy to set up and takes quite a bit of time to tune the traps, presuming you want a low SWR. Even if you place it in an empty field with a quality radial system, you still need to tune the traps for *each* band. This is tedious and time-consuming. And what if one of the bands doesn't "tune" properly. Grrr!

I followed the "instructions" that came with my 6BTV to the "T" and it was the worst experience ever.

Construction quality is poor and the documentation is even worse. I had to dig up on the internet the trap re-tuning instructions as my traps were apparently not calibrated at the factory. (This information was NOT included with the antenna.)

Now perhaps I just got a lemon but it's not a good first antenna.

Shortly after that fiasco, I purchased the Zero Five 10-40 GP vertical antenna and it has worked beautifully. Granted, it's only 40m on up but it works! And it simply defines "quality construction."

No radial wires to mess with and it's footprint is relatively small. You can use your built-in tuner or go with a remote tuner set up. It's very flexible.

You can install the ZF 10-40GP and be on the air in about an hour.

Here's a picture: http://home.comcast.net/~cnick6/1040b.jpg

Cheers,
-Nick, k7cj

>
> Lacking trees and living in a more suburban environment I often go with a Hustler 6BTV painted camo green. You can barely see one of these if erected right next to a tree, even a short one. Again you get lots of bands with one antenna. While there are better antennas, there are few as simple to get up, as inexpensive or as effective.
>
> KQ0C
>
>
> --- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@> wrote:
> >
> > I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
> >
>

[Non-text portions of this message have been removed]

21415. Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-17 20:10:59 UTC
From: alwaysonline22@yahoo.com
Topic: 21415 Message: 21415

God is a awesome God!!

21416. Re: [ham-antennas] TV set QRN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 19:45:19 UTC
From: Artekmedia
Topic: 21413 Message: 21416

Throw away the TV and get a new LED version (not a plasma)..next week
after Xmas there will be some real deals around ...(

Dave NR1DX

On 12/21/2011 1:34 PM, Joe wrote:
>
> TV set (old CRT TV) causes noise for HF reception
> noise dissapears when I disconnect the coax cable from the TV
> the noise is present even the TV is off it seems the power supply
> still operates even TV is OFF.
>
> I tried ferrite chokes on the coax and on TV power cable in different
> quantity and different configurations. The only method to stop the
> noise is to diconnect the TV power cable or the coax from TV.
>
> Any ideas ?
>
> Thanks in advance
>
> Lan
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21417. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 19:48:06 UTC
From: Dan Schaaf
Topic: 21415 Message: 21417

Perhaps so, but your English is not awesome.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: alwaysonline22@...
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 17, 2011 3:10 PM
Subject: [ham-antennas] Math

God is a awesome God!!

[Non-text portions of this message have been removed]

21418. Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 19:49:08 UTC
From: Ashton
Topic: 21234 Message: 21418

I am a huge fan of zero five antennas... I have both the 43 footer and a 33 foot 40 meter monobander. With a remote tuner these are great multiband antennas. BUT they stick up a pretty high, so many new hams can't get away with them. Even your shorter GP needs room for the radial legs.

I have installed 4 Hustler 6BTVs and for every one if you build them to minimum height they will tune just fine. Some experts will realize that this implies that the radial fields I am putting them over are imperfect. The better the radial system the higher the Q of the entire antenna system and the more finnicky they would be to tune. But over a basic radial set up (or a ground rod) they are duck soup to tune. And here in western Colorado where the ground itself has extremely low conductivity almost no one has a really good ground system anyway. The difference between a perfect ground system and a poor one is about 6 dB in real life (I am not comparing to a vertical on the beach in Aruba).

The magic of the Hustler (or your zero five GP) is that it gets you on the air. The key for new hams is to get on the air. Half of our newly licensed hams never do. If you get on the air and start making contacts into Japan and Argentina on 10 meters you get excited. Then you can take all the time in the world to really study antennas and get the last 6 or 12 dB.

The best antenna for a new ham is the one they put up today.

--- In ham-antennas@yahoogroups.com, "nickcarr3151" <nickcarr3151@...> wrote:
>
>
>
> No offense KQ0C, but the Hustler 6BTV is a waste of money.
>
> IMHO, it's NOT easy to set up and takes quite a bit of time to tune the traps, presuming you want a low SWR. Even if you place it in an empty field with a quality radial system, you still need to tune the traps for *each* band. This is tedious and time-consuming. And what if one of the bands doesn't "tune" properly. Grrr!
>
> I followed the "instructions" that came with my 6BTV to the "T" and it was the worst experience ever.
>
> Construction quality is poor and the documentation is even worse. I had to dig up on the internet the trap re-tuning instructions as my traps were apparently not calibrated at the factory. (This information was NOT included with the antenna.)
>
> Now perhaps I just got a lemon but it's not a good first antenna.
>
> Shortly after that fiasco, I purchased the Zero Five 10-40 GP vertical antenna and it has worked beautifully. Granted, it's only 40m on up but it works! And it simply defines "quality construction."

>
> No radial wires to mess with and it's footprint is relatively small. You can use your built-in tuner or go with a remote tuner set up. It's very flexible.
>
> You can install the ZF 10-40GP and be on the air in about an hour.
>
> Here's a picture: http://home.comcast.net/~cnick6/1040b.jpg
>
>
> Cheers,
> -Nick, k7cj
>
>
> >
> > Lacking trees and living in a more suburban environment I often go with a Hustler 6BTV painted camo green. You can barely see one of these if erected right next to a tree, even a short one. Again you get lots of bands with one antenna. While there are better antennas, there are few as simple to get up, as inexpensive or as effective.
> >
> > KQ0C
> >
> >
> > --- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@> wrote:
> > >
> > > I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
> > >
> >
>

21419. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 19:54:41 UTC
From: Artekmedia
Topic: 21415 Message: 21419

And remember GOD spelled backwards is DOG ... I had a dog and a god once
...they both died ..god I miss that dog

On 12/21/2011 1:48 PM, Dan Schaaf wrote:
>
> Perhaps so, but your English is not awesome.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
> "Problems cannot be solved by the same level of thinking that created
> them." - Albert Einstein
>
> ----- Original Message -----
> From: alwaysonline22@... <mailto:alwaysonline22%40yahoo.com>
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Saturday, December 17, 2011 3:10 PM
> Subject: [ham-antennas] Math
>
> God is a awesome God!!
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21420. Re: [ham-antennas] TV set QRN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 19:59:28 UTC
From: Dave Cole
Topic: 21413 Message: 21420

Try killing your cable box if you have one...

On Wed, 2011-12-21 at 19:34 +0000, Joe wrote:

> TV set (old CRT TV) causes noise for HF reception
> noise dissapears when I disconnect the coax cable from the TV
> the noise is present even the TV is off it seems the power supply still operates even TV is OFF.
>
>
> I tried ferrite chokes on the coax and on TV power cable in different quantity and different configurations. The only method to stop the noise is to diconnect the TV power cable or the coax from TV.
>
> Any ideas ?
>
>
> Thanks in advance
>
>
> Lan
>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21421. Re: TV set QRN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 20:09:23 UTC
From: Ashton
Topic: 21413 Message: 21421

Disconnect the TV permanently.

The radio is much more fun.

Your kids will grow up smarter than all their friends.

You and the wife will actually talk.

And the dog will get to go on many more walks.

--- In ham-antennas@yahoogroups.com, "Joe" <mf.50mf135@...> wrote:
>
> TV set (old CRT TV) causes noise for HF reception
> noise dissapears when I disconnect the coax cable from the TV
> the noise is present even the TV is off it seems the power supply still operates even TV is OFF.
>
>
> I tried ferrite chokes on the coax and on TV power cable in different quantity and different configurations. The only method to stop the noise is to diconnect the TV power cable or the coax from TV.
>
> Any ideas ?
>
>
> Thanks in advance
>
>
> Lan
>

21422. Re: Mounting TH3 JR Beam on Roof

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 20:27:03 UTC
From: Ashton
Topic: 21352 Message: 21422

The hill location not only gives you height, but also presumably seperation from surrounding metal objects. It should work a bit better..

Antennas are ideally 1/2 WL up in the air. But after 1/4 wl they work darn well. So either of your choices will "work" just fine.

I'd let aesthetics be a concern here too. Do you really want a yagi on the roof? I like antennas as much as the next guy, but...

And your roof top antenna would be shooting right into your hill in that direction.

Here's a really simple alternative. For $350 you buy one of these
http://www.ontariosurplus.com/other_masts.htm

That gets your antenna to 23 feet plus whatever mast you add above the rotor. It requires no concrete base, guys or anything other that's complicated. If you love the results you are happy. If you love the results so much that you want more you put up a real tower and use this tower for field day.

As long as you are running new coax you might just as well use LMR-400.

--- In ham-antennas@yahoogroups.com, Dave Wilson <wa6txu@...> wrote:
>
> Hi All,
> Am new to this group. I am about to put my TH3 JR beam on the peak of my roof (along the spine). I will only be able to mount it about 5 feet above the peak, so I assume a lot the gain from this antenna will be lost in the roof and the ground. Is it possible to put out a decent signal with this lack of height above the roof? My alternative is to put in on a hill on my property (about 30 feet higher than my roof location) on a short tower, but will have to run about 200 feet of RG8U to it. That is about a 2 DB loss over the roof location. Any help or comments re the better choice? The hill choice is more difficult and more expensive. Thanks. Dave. WA6TXU.
>
>
> [Non-text portions of this message have been removed]
>

21423. Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 20:29:01 UTC
From: nickcarr3151
Topic: 21234 Message: 21423

I agree 100% with that statement. I just think for the money and time invested the Hustler isn't a good first choice. Think of the antenna cost plus costs of radials, radial plate, grass hooks, analyzer, etc. That easily adds up to the cost of the ZF antenna.

Any antenna is better than no antenna -- but no one ever said it couldn't be simple.

Yes, I live and die by the KISS method. :)

>
> The magic of the Hustler (or your zero five GP) is that it gets you on the air. The key for new hams is to get on the air. Half of our newly licensed hams never do. If you get on the air and start making contacts into Japan and Argentina on 10 meters you get excited. Then you can take all the time in the world to really study antennas and get the last 6 or 12 dB.
>
> The best antenna for a new ham is the one they put up today.
>
> --- In ham-antennas@yahoogroups.com, "nickcarr3151" <nickcarr3151@> wrote:
> >
> >
> >
> > No offense KQ0C, but the Hustler 6BTV is a waste of money.
> >
> > IMHO, it's NOT easy to set up and takes quite a bit of time to tune the traps, presuming you want a low SWR. Even if you place it in an empty field with a quality radial system, you still need to tune the traps for *each* band. This is tedious and time-consuming. And what if one of the bands doesn't "tune" properly. Grrr!
> >
> > I followed the "instructions" that came with my 6BTV to the "T" and it was the worst experience ever.
> >
> > Construction quality is poor and the documentation is even worse. I had to dig up on the internet the trap re-tuning instructions as my traps were apparently not calibrated at the factory. (This information was NOT included with the antenna.)
> >
> > Now perhaps I just got a lemon but it's not a good first antenna.
> >
> > Shortly after that fiasco, I purchased the Zero Five 10-40 GP vertical antenna and it has worked beautifully. Granted, it's only 40m on up but it works! And it simply defines "quality construction."
> >
> > No radial wires to mess with and it's footprint is relatively small. You can use your built-in tuner or go with a remote tuner set up. It's very flexible.
> >

> > You can install the ZF 10-40GP and be on the air in about an hour.
> >
> > Here's a picture: http://home.comcast.net/~cnick6/1040b.jpg
> >
> >
> > Cheers,
> > -Nick, k7cj
> >
> >
> > >
> > > Lacking trees and living in a more suburban environment I often go with a Hustler 6BTV painted camo green. You can barely see one of these if erected right next to a tree, even a short one. Again you get lots of bands with one antenna. While there are better antennas, there are few as simple to get up, as inexpensive or as effective.
> > >
> > > KQ0C
> > >
> > >
> > > --- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@> wrote:
> > > >
> > > > I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
> > > >
> > >
> > >
>

21424. Re: TV set QRN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 20:38:03 UTC
From: nickcarr3151
Topic: 21413 Message: 21424

Lan,

This might work for you. An online friend recommended it to another HAM and said it worked great for him.

http://www.21best.com/21_best/electronic/security/video/filters/for_sale_.html#CATV

Read the online instructions to make sure it'll work for you. I don't have any direct experience with this product.

PS. Try calling your cable provider first and complain. They might fix the problem for free.

--- In ham-antennas@yahoogroups.com, "Joe" <mf.50mf135@...> wrote:
>
> TV set (old CRT TV) causes noise for HF reception
> noise dissapears when I disconnect the coax cable from the TV
> the noise is present even the TV is off it seems the power supply still operates even TV is OFF.
>
>
> I tried ferrite chokes on the coax and on TV power cable in different quantity and different configurations. The only method to stop the noise is to diconnect the TV power cable or the coax from TV.
>
> Any ideas ?
>
>
> Thanks in advance
>
>
> Lan
>

21425. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 20:40:24 UTC
From: John Parker
Topic: 21415 Message: 21425

While I'm a Christan, I think this post does't comform to the rules of ham antennas!

It's not a forum for your religious beliefs, comments, etc

My .02 worth!

John WH6DQU

Sent from my iPhone

On Dec 17, 2011, at 10:10 AM, alwaysonline22@... wrote:

>
>
> God is a awesome God!!
>
>

[Non-text portions of this message have been removed]

21426. Re: Flagpole antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 20:44:08 UTC
From: Ashton
Topic: 20685 Message: 21426

Do you have any trees?

A 43 foot wire with a 4:1 unun at the base is the smae as a 43 aluminum vertical. In fact zero five sells both.

A 43 foot wire is invisible. Having it hung right by a tree trunk makes essentially no difference. And if the tree isn't 43 feet high you can either shorten the wire or better yet bend it away to another support. Just avoid lengths of wire that are near 1/2 wl on bands you want to use... so no 33 feet or 23 foot antennas.

Your flag pole will also work just fine. But the wire 1) is cheaper, 2) will probably work better and 3) Doesn't invole figuring out how to actually fly a flag off a cobbled together pole. Zero Five does sell flag ploe antennas ready to go... but they are expensive because of the reinforcing necessary to actually fly a flag.

If you do opt for the DX Engineering plan based on the Hustler 6 BTV, they work just fine. They just aren't engineered to handle a flag in 20 knots of wind. So run the flag up a few times on calm days, invite the HOA over to say the pledge of allegiance, and then put the flag away.

--- In ham-antennas@yahoogroups.com, "GLORIA W" <GloriaW4@...> wrote:
>
> I live in a deed restricted community but we are allowed to have flag poles. I need ideas. Thank you
>
> Gloria KK4DXM
>

21427. Re: multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 20:41:11 UTC
From: Chris Baker
Topic: 21392 Message: 21427

there is a yahoo group on the multi band ocfd and info :
it uses a loading coil & cap,

http://hamwaves.com/cl-ocfd/

i have a simple 66' ocfd with a 4:1 which appears to be working on 7/10/14/24/50 & ok on 18/21/28 with an atu.

Thanks

Chris Baker B.A.

Sunny Morecambe, the gateway to the Lakes
ARS: G4LDS
WAB:SD 46
LOC: IO84 NB
G-QRP: 6884
IOTA: EU005
The SANDS Contest group : G1T
G4LDS@...

[Non-text portions of this message have been removed]

21428. Re: [ham-antennas] Re: TV set QRN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 21:39:44 UTC
From: Robert Costa, KB6QXM
Topic: 21428 Message: 21428

I have the same with my girlfriend's crt tv. It causes noise from about 26-28 khz.

The power lines cause qrn on 40 meters.

Better dsp filters, AC isolation transformers, diversity receive capability is the secret to good noise suppression, just not cheap. Ferrites on power supply leads, good dc and RF grounds.

73,
Robert
KB6QXM

----- Reply message -----
From: "Ashton" <ashton.lee@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: TV set QRN
Date: Wed, Dec 21, 2011 12:09 pm
Disconnect the TV permanently.

The radio is much more fun.

Your kids will grow up smarter than all their friends.

You and the wife will actually talk.

And the dog will get to go on many more walks.

--- In ham-antennas@yahoogroups.com, "Joe" <mf.50mf135@...> wrote:

>

> TV set (old CRT TV) causes noise for HF reception

> noise dissapears when I disconnect the coax cable from the TV

> the noise is present even the TV is off it seems the power supply still operates even TV is OFF.

>

>

> I tried ferrite chokes on the coax and on TV power cable in different quantity and different configurations. The only method to stop the noise is to diconnect the TV power cable or the coax from TV.

>

> Any ideas ?

>

>

> Thanks in advance

>

>

> Lan

>

[Non-text portions of this message have been removed]

21429. Re: Dumb coax/grounding question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 21:40:46 UTC
From: mherdman37
Topic: 21360 Message: 21429

Wow! Thanks to everyone who responded. Very helpful stuff.

I was mainly thinking about RF implications, hadn't really considered lighting strike issues. I really appreciate all of the thoughtful responses. Thanks again.

73,

Michael
N0GLK

--- In ham-antennas@yahoogroups.com, "mherdman37" <michael.erdman@...> wrote:
>
> So I'm reconfiguring my HF station, and one of the alternatives I'm considering would have coax and ground wire leaving my transceiver and running basically right beside each other for 5 feet or so before branching off to their respective destinations. Bad idea? Thoughts?
>
> Thanks very much.
>
> 73,
> Michael
> N0GLK
>

21430. Re: [ham-antennas] Re: multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-21 22:38:10 UTC
From: richard
Topic: 21392 Message: 21430

On Wed, 21 Dec 2011 20:41:11 +0000 (GMT)
Chris Baker <honywood@btinternet.com> wrote:

> there is a yahoo group on the multi band ocfd and info :
> it uses a loading coil & cap,
>
> http://hamwaves.com/cl-ocfd/
>
> i have a simple 66' ocfd with a 4:1 which appears to be working on
> 7/10/14/24/50 & ok on 18/21/28 with an atu.
>
>
> Thanks
>
> Chris Baker B.A.
>
>
> Sunny Morecambe, the gateway to the Lakes
> ARS: G4LDS
> WAB:SD 46
> LOC: IO84 NB
> G-QRP: 6884
> IOTA: EU005
> The SANDS Contest group : G1T
> G4LDS@...
>
> [Non-text portions of this message have been removed]
>

Thanks Chris
I'm trying hard to get away from running with an ATU, I've arthritis in my spine and shoulder, so turning rollercoasters is a pain. Motorising it would be expensive.
Its a toss up between OCFD and 40mtr CFD with a 20mtr trap, then nested delta loops for 17,12 &10 mtrs

73 HC&HNY
Richard G8JVM

21431. Re: [ham-antennas] Re: what was your first HF antenna Or what would you recommend as a first HF antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 00:08:37 UTC
From: Dave Cole
Topic: 21234 Message: 21431

I have had a Hustler several decades ago, never liked it, never worked
well... I now have a Gap Challenger, works like a champ!

Dave
NK7Z

On Wed, 2011-12-21 at 20:29 +0000, nickcarr3151 wrote:

> I agree 100% with that statement. I just think for the money and time invested the Hustler isn't a good first choice. Think of the antenna cost plus costs of radials, radial plate, grass hooks, analyzer, etc. That easily adds up to the cost of the ZF antenna.
>
> Any antenna is better than no antenna -- but no one ever said it couldn't be simple.
>
> Yes, I live and die by the KISS method. :)
>
> >
> > The magic of the Hustler (or your zero five GP) is that it gets you on the air. The key for new hams is to get on the air. Half of our newly licensed hams never do. If you get on the air and start making contacts into Japan and Argentina on 10 meters you get excited. Then you can take all the time in the world to really study antennas and get the last 6 or 12 dB.
> >
> > The best antenna for a new ham is the one they put up today.
> >
> > --- In ham-antennas@yahoogroups.com, "nickcarr3151" <nickcarr3151@> wrote:
> > >
> > >
> > >
> > > No offense KQ0C, but the Hustler 6BTV is a waste of money.
> > >
> > > IMHO, it's NOT easy to set up and takes quite a bit of time to tune the traps, presuming you want a low SWR. Even if you place it in an empty field with a quality radial system, you still need to tune the traps for *each* band. This is tedious and time-consuming. And what if one of the bands doesn't "tune" properly. Grrr!
> > >
> > > I followed the "instructions" that came with my 6BTV to the "T" and it was the worst experience ever.
> > >
> > > Construction quality is poor and the documentation is even worse. I had to dig up on the internet the trap re-tuning instructions as my traps were apparently not calibrated at the factory. (This information was NOT included with the antenna.)
> > >
> > > Now perhaps I just got a lemon but it's not a good first antenna.

> > >
> > > Shortly after that fiasco, I purchased the Zero Five 10-40 GP vertical antenna and it has worked beautifully. Granted, it's only 40m on up but it works! And it simply defines "quality construction."
> > >
> > > No radial wires to mess with and it's footprint is relatively small. You can use your built-in tuner or go with a remote tuner set up. It's very flexible.
> > >
> > > You can install the ZF 10-40GP and be on the air in about an hour.
> > >
> > > Here's a picture: http://home.comcast.net/~cnick6/1040b.jpg
> > >
> > >
> > > Cheers,
> > > -Nick, k7cj
> > >
> > >
> > > >
> > > > Lacking trees and living in a more suburban environment I often go with a Hustler 6BTV painted camo green. You can barely see one of these if erected right next to a tree, even a short one. Again you get lots of bands with one antenna. While there are better antennas, there are few as simple to get up, as inexpensive or as effective.
> > > >
> > > > KQ0C
> > > >
> > > >
> > > > --- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@> wrote:
> > > > >
> > > > > I have a Kenwood TS-590S it's my first HF rig and I wondering what would be a good first antenna
> > > > >
> > > >
> > > >
> > >
> >
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

>
>

[Non-text portions of this message have been removed]

21432. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 00:55:38 UTC
From: Jon Ermels
Topic: 21415 Message: 21432

If so, then it's not a place for your comments about his beliefs either. By the way, I'm a Christian like he is and we both wonder what a Christan is.

MERRY CHRISTMAS

73 de NØIGU
Jon

>_____
> From: John Parker <parkjv1@...>
>To: "ham-antennas@...m" <ham-antennas@yahoogroups.com>
>Sent: Wednesday, December 21, 2011 2:40 PM
>Subject: Re: [ham-antennas] Math
>
>While I'm a Christan, I think this post does't comform to the rules of ham antennas!
>
>It's not a forum for your religious beliefs, comments, etc
>
>My .02 worth!
>
>
>John WH6DQU
>
>Sent from my iPhone
>
>On Dec 17, 2011, at 10:10 AM, alwaysonline22@yahoo.com wrote:
>
>>
>>
>> God is a awesome God!!
>>
>>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com

>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

21433. Question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 01:13:40 UTC
From: Richard Schmuke
Topic: 2856 Message: 21433

Does anybody use MRP40 and a Signalink USB.
My receive is great but I can't get it so send.
Kenwood 450 is the rig. It off topic you can e-mail me direct.

Rich , KDØZZ , ☺

21434. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 01:17:36 UTC
From: James E. Wells (KDØAJZ)
Topic: 21415 Message: 21434

Into the depths of FREEDOM of SPEECH. While the Constitution allows us the Freedom of Speech the Moderators can deny your right to exercise that right. Therefore just like the Constitution the separation of Church and State is not in the Constitution, just that the Government can not start a religion.
So I would say that it is up to the moderator to either violate your rights or just say.
Merry Christmas
James

From: Jon Ermels
Sent: Wednesday, December 21, 2011 6:55 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Math

If so, then it's not a place for your comments about his beliefs either. By the way, I'm a Christian like he is and we both wonder what a Christan is.

MERRY CHRISTMAS

73 de NØIGU
Jon

>_____
> From: John Parker <mailto:parkjv1%40gmail.com>
>To: "mailto:ham-antennas%40yahoogroups.com" <mailto:ham-antennas%40yahoogroups.com>
>Sent: Wednesday, December 21, 2011 2:40 PM
>Subject: Re: [ham-antennas] Math
>
>While I'm a Christan, I think this post does't comform to the rules of ham antennas!
>
>It's not a forum for your religious beliefs, comments, etc
>
>My .02 worth!
>
>
>John WH6DQU
>
>Sent from my iPhone
>
>On Dec 17, 2011, at 10:10 AM, mailto:alwaysonline22%40yahoo.com wrote:
>
>>
>>
>> God is a awesome God!!
>>
>>
>

>
>[Non-text portions of this message have been removed]
>
>
>
>-----------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: mailto:ham-antennas%40yahoogroups.com
>Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>List owner: mailto:ham-antennas-owner%40yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6732 (20111221) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK
part001.htm - is OK

http://www.eset.com

[Non-text portions of this message have been removed]

21435. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 01:57:13 UTC
From: John Parker
Topic: 21415 Message: 21435

Jon,

You are correct!

It's not my call to say anything and I didn't mean to self appoint myself as moderator for this list!

Happy Holidays!

73,

John WH6DQU

Sent from my iPhone

On Dec 21, 2011, at 2:55 PM, Jon Ermels <n0igu@...> wrote:

> If so, then it's not a place for your comments about his beliefs either. By the way, I'm a Christian like he is and we both wonder what a Christan is.
>
> MERRY CHRISTMAS
>
>
> 73 de NØIGU
> Jon
>
> >_____
> > From: John Parker <parkjv1@...>
> >To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
> >Sent: Wednesday, December 21, 2011 2:40 PM
> >Subject: Re: [ham-antennas] Math
> >
> >While I'm a Christan, I think this post does't comform to the rules of ham antennas!
> >
> >It's not a forum for your religious beliefs, comments, etc
> >
> >My .02 worth!
> >
> >
> >John WH6DQU
> >
> >Sent from my iPhone
> >
> >On Dec 17, 2011, at 10:10 AM, alwaysonline22@yahoo.com wrote:
> >
> >>
> >>

> >> God is a awesome God!!
> >>
> >>
> >
> >
> >[Non-text portions of this message have been removed]
> >
> >
> >
> >------------------------------------
> >
> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> >Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> >Post message: ham-antennas@yahoogroups.com
> >Subscribe: ham-antennas-subscribe@yahoogroups.com
> >Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> >List owner: ham-antennas-owner@yahoogroups.com
> >Yahoo! Groups Links
> >
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

21436. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 02:02:53 UTC
From: enkitec@gmail.com
Topic: 21415 Message: 21436

There are so many gods lately... One more or one less doesn't do
any difference.

Happy solstice!

Mark Jordan

On 21-Dec-11 23:17, James E. Wells (KDØAJZ) wrote:
> Into the depths of FREEDOM of SPEECH. While the Constitution allows us the Freedom of Speech the Moderators can deny your right to exercise that right. Therefore just like the Constitution the separation of Church and State is not in the Constitution, just that the Government can not start a religion.
> So I would say that it is up to the moderator to either violate your rights or just say.
> Merry Christmas
> James
>
> From: Jon Ermels
> Sent: Wednesday, December 21, 2011 6:55 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Math
>
>
> If so, then it's not a place for your comments about his beliefs either. By the way, I'm a Christian like he is and we both wonder what a Christan is.
>
> MERRY CHRISTMAS
>
>
> 73 de NØIGU
> Jon
>
>> _____
>> From: John Parker<mailto:parkjv1%40gmail.com>
>> To: "mailto:ham-antennas%40yahoogroups.com"<mailto:ham-antennas%40yahoogroups.com>
>> Sent: Wednesday, December 21, 2011 2:40 PM
>> Subject: Re: [ham-antennas] Math
>>
>> While I'm a Christan, I think this post does't comform to the rules of ham antennas!
>>
>> It's not a forum for your religious beliefs, comments, etc
>>
>> My .02 worth!
>>
>>
>> John WH6DQU
>>

>> Sent from my iPhone
>>
>> On Dec 17, 2011, at 10:10 AM, mailto:alwaysonline22%40yahoo.com wrote:
>>
>>>
>>> God is a awesome God!!
>>>
>>>
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>> Post message: mailto:ham-antennas%40yahoogroups.com
>> Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
>> Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
>> List owner: mailto:ham-antennas-owner%40yahoogroups.com
>> Yahoo! Groups Links
>>
>>
>>
>>
>>
>>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> __________ Information from ESET NOD32 Antivirus, version of virus signature database 6732 (20111221) __________
>
> The message was checked by ESET NOD32 Antivirus.
>
> part000.txt - is OK
> part001.htm - is OK
>
> http://www.eset.com
>
>
> [Non-text portions of this message have been removed]
>
>

>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

21437. [ham-antennas] Math thread has lost it's way, please read. Moderator

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 03:34:21 UTC
From: van wd8aam
Topic: 21415 Message: 21437

Statements on this "Math" thread have gone off the track.

Please return to subjects/threads that pertain to Ham-Antennas.

Political and/or Religious/ statements especially have the ability
to inflame others of different persuasions. Therefore, limited
Holiday good wishes are as far as the groups may carry these
comments, and political comments are prohibited.

Thank you, and now back to the approved comments/questions
relating to Ham-Antenna subjects......

Van Lincoln, moderator, end of commentary.

21438. Re: [ham-antennas] Re: multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 03:34:52 UTC
From: Don Sanders
Topic: 21392 Message: 21438

Richard, the OCFD will require an ATU of some type. You can get a auto tuner from LDG, MFJ, SGC,ETC
If you have room for a 40 meter Center fed dipole coax fed, go for it. At 7.1 you should have coverage 7.0 to 7.2 Mhz.
Add a full size 20 meter dipole in parallel with it fed from the same c oax.
You should install it as far from the 40 meter dipole as possible to reduce interaction.
I have used this type antenna for 80,40, 20 and 15 for over 50 years. I now have 17 dipole added also.

I have not had good fortune with trap dipoles, too narrow SWR bandwidth, higher SWR and lots of fussing
to get iot tuned. I don't recommend them unless you do not have room for a full size dipole.
If you set the 40 meter antenna for 6.7 to 6.8 Mhz, it will also work on 15 meters but the SWR may
be a bit higher on the phone portion of 40.

BTW, DMSO helps my arthritis. I get it at a VET supply place. They use it on race horses when they get lame.
Just rub it on like linament.

Dr Don HC4/W4BWS

On Wed, Dec 21, 2011 at 5:38 PM, richard <richard.bown@blueyonder.co.uk>wrote:

> **
>
>
> On Wed, 21 Dec 2011 20:41:11 +0000 (GMT)
> Chris Baker <honywood@...> wrote:
>
> > there is a yahoo group on the multi band ocfd and info :
> > it uses a loading coil & cap,
> >
> > http://hamwaves.com/cl-ocfd/
> >
> > i have a simple 66' ocfd with a 4:1 which appears to be working on
> > 7/10/14/24/50 & ok on 18/21/28 with an atu.
> >
> >
> > Thanks
> >
> > Chris Baker B.A.
> >

> >
> > Sunny Morecambe, the gateway to the Lakes
> > ARS: G4LDS
> > WAB:SD 46
> > LOC: IO84 NB
> > G-QRP: 6884
> > IOTA: EU005
> > The SANDS Contest group : G1T
> > G4LDS@M0SCG.org.uk
> >
> > [Non-text portions of this message have been removed]
> >
>
> Thanks Chris
> I'm trying hard to get away from running with an ATU, I've arthritis in my
> spine and shoulder, so turning rollercoasters is a pain. Motorising it
> would be
> expensive.
> Its a toss up between OCFD and 40mtr CFD with a 20mtr trap, then nested
> delta
> loops for 17,12 &10 mtrs
>
> 73 HC&HNY
> Richard G8JVM
>
>
>

[Non-text portions of this message have been removed]

21439. Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 09:39:54 UTC
From: Peter Ackermann
Topic: 21439 Message: 21439

**
We the People
http://www.youtube.com/watch?v=JVAhr4hZDJE
*
~X(at wits' end
*
----- Forwarded Message -----
From: Norm <nwpars@...>
To: "Defeat_Liberals@yahoogroups.com" <Defeat_Liberals@yahoogroups.com>
Sent: Tuesday, December 20, 2011 12:30 PM
Subject: [Defeat_Liberals] Christmas at Arlington Cemetery

Merry Christmas Everyone
CHRISTMAS AT ARLINGTON CEMETERY
I wonder why the press hasn't enlightened the public
about it??
Arlington National Cemetery
Rest easy, sleep well my brothers.
Know the line has held, your job is done.
Rest easy, sleep well.
Others have taken up where you fell, the line has held.
Peace, peace, and farewell...
Readers may be interested to know that these wreaths --
some 5,000 -- are donated by the Worcester Wreath Co. of
Harrington, Maine . The owner, Merrill Worcester, not
only provides the wreaths, but covers the trucking
expense as well. He's done this since 1992. A wonderful
guy. Also, most years, groups of Maine school kids
combine an educational trip to DC with this event to
help out. Making this even more remarkable is the fact
that Harrington is in one of the poorest parts of the state.
Please share this with everyone on your address list.
You hear too much about the bad things people do.
Everyone should hear about this.

[Non-text portions of this message have been removed]

21440. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 10:15:28 UTC
From: richard
Topic: 21415 Message: 21440

On Thu, 22 Dec 2011 00:02:53 -0200
enkitec@... wrote:

>
> There are so many gods lately... One more or one less doesn't do
> any difference.
>
> Happy solstice!
>
> Mark Jordan

I always thought the worldwide Ham radio god was the god of tropo and DX :)

happy holidays what ever the root cause

73 Richard G8JVM

21441. RE: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 10:39:04 UTC
From: jo barden
Topic: 21439 Message: 21441

Whilst I applaud the sentiment of visiting a memorial cemetery I do wonder what this has to do with antennas? As for the comments about liberals that is politics and has nothing to do with Amateur radio and under the UK license conditions is a prohibative subject in communications.

Jon
G6UWK

To: alchemy61@yahoogroups.com; AmericanConstitutionalMilitia@yahoogroups.com; boneheadmotorco@...; dallasgoldbug@...; ham-antennas@yahoogroups.com; hfpack@yahoogroups.com; info@...; Info@...; nss@mwt.net; johnb@...; denizenboy@...; libertytreeradio@yahoogroups.com; newsmax@...; paul.dimeo@...; pidey@yahoo.com; president@...; rob@...; sontag1@...; tonipennington@yahoo.com; nativeson53@...; worldcom@yahoogroups.com
From: w4sfd@sccctv.net
Date: Thu, 22 Dec 2011 04:39:54 -0500
Subject: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

**

We the People

http://www.youtube.com/watch?v=JVAhr4hZDJE

*

~X(at wits' end

*

----- Forwarded Message -----

From: Norm <nwpars@...>

To: "Defeat_Liberals@yahoogroups.com" <Defeat_Liberals@yahoogroups.com>

Sent: Tuesday, December 20, 2011 12:30 PM

Subject: [Defeat_Liberals] Christmas at Arlington Cemetery

Merry Christmas Everyone

CHRISTMAS AT ARLINGTON CEMETERY

I wonder why the press hasn't enlightened the public

about it??

Arlington National Cemetery

Rest easy, sleep well my brothers.

Know the line has held, your job is done.

Rest easy, sleep well.

Others have taken up where you fell, the line has held.

Peace, peace, and farewell...

Readers may be interested to know that these wreaths --

some 5,000 -- are donated by the Worcester Wreath Co. of

Harrington, Maine . The owner, Merrill Worcester, not

only provides the wreaths, but covers the trucking

expense as well. He's done this since 1992. A wonderful

guy. Also, most years, groups of Maine school kids

combine an educational trip to DC with this event to

help out. Making this even more remarkable is the fact

that Harrington is in one of the poorest parts of the state.

Please share this with everyone on your address list.

You hear too much about the bad things people do.

Everyone should hear about this.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21442. Re: [ham-antennas] Re: multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 10:57:23 UTC
From: richard
Topic: 21392 Message: 21442

On Wed, 21 Dec 2011 22:34:52 -0500
Don Sanders <w4bws1@...> wrote:

> Richard, the OCFD will require an ATU of some type. You can get a auto
> tuner from LDG, MFJ, SGC,ETC
> If you have room for a 40 meter Center fed dipole coax fed, go for it. At
> 7.1 you should have coverage 7.0 to 7.2 Mhz.
> Add a full size 20 meter dipole in parallel with it fed from the same c
> oax.
> You should install it as far from the 40 meter dipole as possible to
> reduce interaction.
> I have used this type antenna for 80,40, 20 and 15 for over 50 years. I now
> have 17 dipole added also.
>
> I have not had good fortune with trap dipoles, too narrow SWR bandwidth,
> higher SWR and lots of fussing
> to get iot tuned. I don't recommend them unless you do not have room for a
> full size dipole.
> If you set the 40 meter antenna for 6.7 to 6.8 Mhz, it will also work on 15
> meters but the SWR may
> be a bit higher on the phone portion of 40.
>
> BTW, DMSO helps my arthritis. I get it at a VET supply place. They use it
> on race horses when they get lame.
> Just rub it on like linament.
>
> Dr Don HC4/W4BWS
>
>

Hi Don
At the moment I've a dual band 20 & 17 mtrs CFD, and a reasonable match to 50 ohms by inserting 1/12 wavelength of 75 ohm coax Fc 18.1 MHz between the feed points, and the separation distance is 6".
I've found the male BNC to two terminal adaptors very useful for centre dipole connectors, albeit not to strong, but great for experimenting.
Most of my operation is SSB or psk31, so may get away with adding a 40 mtr CFD, to give the top end of 15 Mtrs.
I'm increasing my activity on HF to compensate for the extremely low activity on VHF in the UK, Its now either EME, and this QTH is too noisy, or us HF more.

Does anyone know how much power PTFE RG174 can handle in practise if air cooled, its not so heavy as RG58/9 for matching stubs/lines, UK limit is 400W.

All noted on DMSO :)

73 HC&HNY Richard G8JVM

21443. Re: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 13:23:57 UTC
From: James E. Wells (KDØAJZ)
Topic: 21439 Message: 21443

While I agree that this seems a little off topic. The Cemetery is not in the UK so I do not see what that has to do with the post. Besides this is a computer based mail list not a ham radio. So unless the Moderator or Owner finds that this topic should not be put out to the group then that is his right. UK laws about this has nothing to do with what was written.
Just my view about the post.
James

-----Original Message-----
From: jo barden
Sent: Thursday, December 22, 2011 4:39 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

Whilst I applaud the sentiment of visiting a memorial cemetery I do wonder what this has to do with antennas? As for the comments about liberals that is politics and has nothing to do with Amateur radio and under the UK license conditions is a prohibative subject in communications.

Jon
G6UWK

To: alchemy61@yahoogroups.com; AmericanConstitutionalMilitia@yahoogroups.com; boneheadmotorco@...; dallasgoldbug@...; ham-antennas@yahoogroups.com; hfpack@yahoogroups.com; info@...; Info@...; nss@...; johnb@...; denizenboy@...; libertytreeradio@yahoogroups.com; newsmax@...; paul.dimeo@...; pidey@...; president@...; rob@...; sontag1@...; tonipennington@...; nativeson53@...; worldcom@yahoogroups.com
From: w4sfd@...
Date: Thu, 22 Dec 2011 04:39:54 -0500
Subject: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

**

We the People

http://www.youtube.com/watch?v=JVAhr4hZDJE

*

~X(at wits' end

*

----- Forwarded Message -----

From: Norm <nwpars@...>

To: "Defeat_Liberals@yahoogroups.com" <Defeat_Liberals@yahoogroups.com>

Sent: Tuesday, December 20, 2011 12:30 PM

Subject: [Defeat_Liberals] Christmas at Arlington Cemetery

Merry Christmas Everyone

CHRISTMAS AT ARLINGTON CEMETERY

I wonder why the press hasn't enlightened the public

about it??

Arlington National Cemetery

Rest easy, sleep well my brothers.

Know the line has held, your job is done.

Rest easy, sleep well.

Others have taken up where you fell, the line has held.

Peace, peace, and farewell...

Readers may be interested to know that these wreaths --

some 5,000 -- are donated by the Worcester Wreath Co. of

Harrington, Maine . The owner, Merrill Worcester, not

only provides the wreaths, but covers the trucking

expense as well. He's done this since 1992. A wonderful

guy. Also, most years, groups of Maine school kids

combine an educational trip to DC with this event to

help out. Making this even more remarkable is the fact

that Harrington is in one of the poorest parts of the state.

Please share this with everyone on your address list.

You hear too much about the bad things people do.

Everyone should hear about this.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6733 (20111222) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK

http://www.eset.com

21444. Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 13:32:10 UTC
From: Jim Whitaker
Topic: 21444 Message: 21444

Let me see if I have this right, The ladder line after the Balun will be much lower loss with high SWR then coax. I assume that the remaining coax feed before the Balun is still involved and presents a much higher loss per foot. So I want to mount the Balun with as little coax as possible and run most of the feed as ladder line? Is this why mounting the balun at the antenna feed point isn't preferred?

de n8xyn Jim
Thanks

21445. Going Off Subject

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 13:36:10 UTC
From: Clive Lorton
Topic: 21439 Message: 21445

Hi Everyone,
I'm sure there is a Yahoo list for this discussion. Yahoo Groups is so diverse.
Can we gat back to talking antenna please.
Clive g8poc

On 22 Dec 2011, at 13:23, James E. Wells (KD?AJZ) wrote:

> While I agree that this seems a little off topic. The Cemetery is not in the
> UK so I do not see what that has to do with the post. Besides this is a
> computer based mail list not a ham radio. So unless the Moderator or Owner
> finds that this topic should not be put out to the group then that is his
> right. UK laws about this has nothing to do with what was written.
> Just my view about the post.
> James
>
> -----Original Message-----
> From: jo barden
> Sent: Thursday, December 22, 2011 4:39 AM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Fwd: [Freedom_of_Information] Fw:
> [Defeat_Liberals] Christmas at Arlington Cemetery
>
> Whilst I applaud the sentiment of visiting a memorial cemetery I do wonder
> what this has to do with antennas? As for the comments about liberals that
> is politics and has nothing to do with Amateur radio and under the UK
> license conditions is a prohibative subject in communications.
>
> Jon
> G6UWK
>
> To: alchemy61@yahoogroups.com;
> AmericanConstitutionalMilitia@yahoogroups.com; boneheadmotorco@...;
> dallasgoldbug@...; ham-antennas@yahoogroups.com;
> hfpack@yahoogroups.com; info@...; Info@...; nss@...;
> johnb@...; denizenboy@...;
> libertytreeradio@yahoogroups.com; newsmax@...;
> paul.dimeo@...m; pidey@...; president@...;
> rob@...; sontag1@aol.com; tonipennington@...;
> nativeson53@...; worldcom@yahoogroups.com
> From: w4sfd@...
> Date: Thu, 22 Dec 2011 04:39:54 -0500
> Subject: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals]
> Christmas at Arlington Cemetery
>
> **

>
> *We the People*
>
> http://www.youtube.com/watch?v=JVAhr4hZDJE
>
> *
>
> ~X(at wits' end
>
> *
>
> ----- Forwarded Message -----
>
> *From:* Norm <nwpars@...>
>
> *To:* "Defeat_Liberals@yahoogroups.com" <Defeat_Liberals@yahoogroups.com>
>
> *Sent:* Tuesday, December 20, 2011 12:30 PM
>
> *Subject:* [Defeat_Liberals] Christmas at Arlington Cemetery
>
> Merry Christmas Everyone
>
> CHRISTMAS AT ARLINGTON CEMETERY
>
> I wonder why the press hasn't enlightened the public
>
> about it??
>
> Arlington National Cemetery
>
> Rest easy, sleep well my brothers.
>
> Know the line has held, your job is done.
>
> Rest easy, sleep well.
>
> Others have taken up where you fell, the line has held.
>
> Peace, peace, and farewell...
>
> Readers may be interested to know that these wreaths --
>
> some 5,000 -- are donated by the Worcester Wreath Co. of
>
> Harrington, Maine . The owner, Merrill Worcester, not
>
> only provides the wreaths, but covers the trucking
>
> expense as well. He's done this since 1992. A wonderful

>
> guy. Also, most years, groups of Maine school kids
>
> combine an educational trip to DC with this event to
>
> help out. Making this even more remarkable is the fact
>
> that Harrington is in one of the poorest parts of the state.
>
> Please share this with everyone on your address list.
>
> You hear too much about the bad things people do.
>
> Everyone should hear about this.
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
> __________ Information from ESET NOD32 Antivirus, version of virus signature
> database 6733 (20111222) __________
>
> The message was checked by ESET NOD32 Antivirus.
>
> part000.txt - is OK
>
> http://www.eset.com
>
>

[Non-text portions of this message have been removed]

21446. AW: [ham-antennas] Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 13:54:24 UTC
From: siegfried.jackstien
Topic: 21444 Message: 21446

Right point!!!

For multiband use you tune THE WHOLE SYSTEM
Antenna, ladderline (if any), balun, coax, tuner, coax, swr-meter,coax,rig

If swr is low the losses are low
If swr is high then losses are higher BUT
Ladderline with high swr has lower loss as coax (even if on coax the swr is low)
As it is not easy to climb a tower for tuning the antenna at the fedpoint
And remote tuners are not cheap
Best way is to have ladderline down to the shack
And a short run of coax from tuner to outside balun
Or best way a balanced tuner with balun on the input and ladderline IN the shack

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Jim Whitaker
> Gesendet: Donnerstag, 22. Dezember 2011 13:32
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Yet one more Balun question please?
>
>
>
> Let me see if I have this right, The ladder line after the Balun will be
> much lower loss with high SWR then coax. I assume that the remaining coax
> feed before the Balun is still involved and presents a much higher loss
> per foot. So I want to mount the Balun with as little coax as possible and
> run most of the feed as ladder line? Is this why mounting the balun at the
> antenna feed point isn't preferred?
>
> de n8xyn Jim
> Thanks
>
>
>
>

21447. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:02:37 UTC
From: Memwl
Topic: 21415 Message: 21447

Did I miss something? (Pun)
God made Math!!!!!!
And Stupid Politics

O.T.
73
ke7sbe

>_____
> From: "alwaysonline22@..." <alwaysonline22@...>
>To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
>Sent: Saturday, December 17, 2011 1:10 PM
>Subject: [ham-antennas] Math
>
>
>
>
>
>God is a awesome God!!
>
>
>
>
>

[Non-text portions of this message have been removed]

21448. Re: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:02:28 UTC
From: dean
Topic: 21439 Message: 21448

This is what I love about the delete key.

73, WY6L

From: James E. Wells (KDØAJZ)
Sent: Thursday, December 22, 2011 5:23 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

While I agree that this seems a little off topic. The Cemetery is not in the UK so I do not see what that has to do with the post. Besides this is a computer based mail list not a ham radio. So unless the Moderator or Owner finds that this topic should not be put out to the group then that is his right. UK laws about this has nothing to do with what was written.
Just my view about the post.
James

-----Original Message-----
From: jo barden
Sent: Thursday, December 22, 2011 4:39 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: RE: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

Whilst I applaud the sentiment of visiting a memorial cemetery I do wonder what this has to do with antennas? As for the comments about liberals that is politics and has nothing to do with Amateur radio and under the UK license conditions is a prohibative subject in communications.

Jon
G6UWK

To: mailto:alchemy61%40yahoogroups.com; mailto:AmericanConstitutionalMilitia%40yahoogroups.com; mailto:boneheadmotorco%40aol.com; mailto:dallasgoldbug%40gmail.com; mailto:ham-antennas%40yahoogroups.com; mailto:hfpack%40yahoogroups.com; mailto:info%40rdgcustom.com; mailto:Info%40rdgcustom.com; mailto:nss%40mwt.net; mailto:johnb%40coasttocoastam.com; mailto:denizenboy%40yahoo.com; mailto:libertytreeradio%40yahoogroups.com; mailto:newsmax%40reply.newsmax.com; mailto:paul.dimeo%40gmail.com; mailto:pidey%40yahoo.com; mailto:president%40bbvfd.com; mailto:rob%40opednews.com; mailto:sontag1%40aol.com; mailto:tonipennington%40yahoo.com; mailto:nativeson53%40sbcglobal.net; mailto:worldcom%40yahoogroups.com
From: mailto:w4sfd%40sccctv.net
Date: Thu, 22 Dec 2011 04:39:54 -0500

Subject: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

**

We the People

http://www.youtube.com/watch?v=JVAhr4hZDJE

*

~X(at wits' end

*

----- Forwarded Message -----

From: Norm <mailto:nwpars%40comcast.net>

To: "mailto:Defeat_Liberals%40yahoogroups.com" <mailto:Defeat_Liberals%40yahoogroups.com>

Sent: Tuesday, December 20, 2011 12:30 PM

Subject: [Defeat_Liberals] Christmas at Arlington Cemetery

Merry Christmas Everyone

CHRISTMAS AT ARLINGTON CEMETERY

I wonder why the press hasn't enlightened the public

about it??

Arlington National Cemetery

Rest easy, sleep well my brothers.

Know the line has held, your job is done.

Rest easy, sleep well.

Others have taken up where you fell, the line has held.

Peace, peace, and farewell...

Readers may be interested to know that these wreaths --

some 5,000 -- are donated by the Worcester Wreath Co. of

Harrington, Maine . The owner, Merrill Worcester, not

only provides the wreaths, but covers the trucking

expense as well. He's done this since 1992. A wonderful

guy. Also, most years, groups of Maine school kids

combine an educational trip to DC with this event to

help out. Making this even more remarkable is the fact

that Harrington is in one of the poorest parts of the state.

Please share this with everyone on your address list.

You hear too much about the bad things people do.

Everyone should hear about this.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: mailto:ham-antennas%40yahoogroups.com
Subscribe: mailto:ham-antennas-subscribe%40yahoogroups.com
Unsubscribe: mailto:ham-antennas-unsubscribe%40yahoogroups.com
List owner: mailto:ham-antennas-owner%40yahoogroups.com
Yahoo! Groups Links

_____ Information from ESET NOD32 Antivirus, version of virus signature
database 6733 (20111222) _____

The message was checked by ESET NOD32 Antivirus.

part000.txt - is OK

http://www.eset.com

[Non-text portions of this message have been removed]

21449. AW: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:00:59 UTC
From: siegfried.jackstien
Topic: 21415 Message: 21449

It is the sun ... cause the dx is influenced from it
Happy holidays :-)
Merrfy xmas
Happy new year
And a hilberling for me (grin)
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von richard
> Gesendet: Donnerstag, 22. Dezember 2011 10:15
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Math
>
>
>
> On Thu, 22 Dec 2011 00:02:53 -0200
> enkitec@... <mailto:enkitec%40gmail.com> wrote:
>
> >
> > There are so many gods lately... One more or one less doesn't do
> > any difference.
> >
> > Happy solstice!
> >
> > Mark Jordan
>
> I always thought the worldwide Ham radio god was the god of tropo and DX
> :)
>
> happy holidays what ever the root cause
>
> 73 Richard G8JVM
>
>
>

21450. RE: [ham-antennas] Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:11:12 UTC
From: Richard Schmuke
Topic: 21444 Message: 21450

Subject: [ham-antennas] Yet one more Balun question please?

Let me see if I have this right, The ladder line after the Balun will be much lower loss with high SWR then coax. I assume that the remaining coax feed before the Balun is still involved and presents a much higher loss per foot. So I want to mount the Balun with as little coax as possible and run most of the feed as ladder line? Is this why mounting the balun at the antenna feed point isn't preferred?

de n8xyn Jim
Thanks

That is the way I understand it Jim. I keep my coax just about 2ft long. Many tuners have a built in balun so you can run the ladder line right to the back of the tuner. My MFJ tuner built in balun would not go down to 1:1 on all bands so I built my own. A foot or two of coax won't have a lot of loss like it would if you had your balun mounted at the antenna.

Rich , Kd0zz

[Non-text portions of this message have been removed]

21451. Re: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:14:30 UTC
From: Ken
Topic: 21439 Message: 21451

Some people are just stupid.

"Freedom of Speech" is about stopping government interference. It has nothing to do with the use of private property (which yahoo is and individual groups are).

Intelligent people recognize that there is a proper time AND PLACE for certain discussions. Would you stand up in church and demand the right to speak about antenna design or Smith Charts because of "freedom of speech"? Hopefully everyone has more common sense than that.

Well, same thing here. This is not an appropriate forum for religious or political discussion. Mature people realize that.

21452. Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:17:24 UTC
From: Memwl
Topic: 21452 Message: 21452

What is the "best"(ohh ohh) Antenna for
"Low Height" I can go 25 feet at the most where I am located
I know this wont be the most efficient but do what I gotta do
I want to try a no tune loop, Ok
I will use coax to ladder line to Loop
I want to use this on 10 and 20 meters.
I thought about off center fed dipole type, but I really want more omni
pattern, I am still a greenhorn but fast learner due to experience or should I say
My mistakes which translates to the same thing.
I want this kind of portable as I will be relocating soon
to a place I can put up anything I want to,
For the lighter side of Ham radio

YL says to leave a path free of wire to access the back yard
after we move, she has no problem with the wires otherwise.

73
Mike
ke7sbe

[Non-text portions of this message have been removed]

21453. Re: [ham-antennas] Re: multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:27:57 UTC
From: Memwl
Topic: 21392 Message: 21453

You may have answered my post
on the no tune low height antenna
before I saw this concerning OCFD, now that is out,
I remember seeing someplace that I can do this by moving
the feed point or do I have this wrong
As far as getting the SWR acceptable on both bands.
 Antenna's are the most important and the most complicated IMHO
to master, I am no Math whiz.

>_____
> From: Don Sanders <w4bws1@gmail.com>
>To: ham-antennas@yahoogroups.com
>Sent: Wednesday, December 21, 2011 8:34 PM
>Subject: Re: [ham-antennas] Re: multiple OCFD
>
>Richard, the OCFD will require an ATU of some type. You can get a auto
>tuner from LDG, MFJ, SGC,ETC
>If you have room for a 40 meter Center fed dipole coax fed, go for it. At
>7.1 you should have coverage 7.0 to 7.2 Mhz.
>Add a full size 20 meter dipole in parallel with it fed from the same c
>oax.
>You should install it as far from the 40 meter dipole as possible to
>reduce interaction.
>I have used this type antenna for 80,40, 20 and 15 for over 50 years. I now
>have 17 dipole added also.
>
>I have not had good fortune with trap dipoles, too narrow SWR bandwidth,
>higher SWR and lots of fussing
>to get iot tuned. I don't recommend them unless you do not have room for a
>full size dipole.
>If you set the 40 meter antenna for 6.7 to 6.8 Mhz, it will also work on 15
>meters but the SWR may
>be a bit higher on the phone portion of 40.
>
>BTW, DMSO helps my arthritis. I get it at a VET supply place. They use it
>on race horses when they get lame.
>Just rub it on like linament.
>
>Dr Don HC4/W4BWS
>
>On Wed, Dec 21, 2011 at 5:38 PM, richard <richard.bown@...>wrote:
>
>> **
>>
>>

>> On Wed, 21 Dec 2011 20:41:11 +0000 (GMT)
>> Chris Baker <honywood@...> wrote:
>>
>> > there is a yahoo group on the multi band ocfd and info :
>> > it uses a loading coil & cap,
>> >
>> > http://hamwaves.com/cl-ocfd/
>> >
>> > i have a simple 66' ocfd with a 4:1 which appears to be working on
>> > 7/10/14/24/50 & ok on 18/21/28 with an atu.
>> >
>> >
>> > Thanks
>> >
>> > Chris Baker B.A.
>> >
>> >
>> > Sunny Morecambe, the gateway to the Lakes
>> > ARS: G4LDS
>> > WAB:SD 46
>> > LOC: IO84 NB
>> > G-QRP: 6884
>> > IOTA: EU005
>> > The SANDS Contest group : G1T
>> > G4LDS@...
>> >
>> > [Non-text portions of this message have been removed]
>> >
>>
>> Thanks Chris
>> I'm trying hard to get away from running with an ATU, I've arthritis in my
>> spine and shoulder, so turning rollercoasters is a pain. Motorising it
>> would be
>> expensive.
>> Its a toss up between OCFD and 40mtr CFD with a 20mtr trap, then nested
>> delta
>> loops for 17,12 &10 mtrs
>>
>> 73 HC&HNY
>> Richard G8JVM
>>
>>
>>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------

>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

21454. O.T.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:32:23 UTC
From: Memwl
Topic: 21454 Message: 21454

Did I miss something? (Pun)
God made Math!!!!!!
And Stupid Politics

73
ke7sbe

[Non-text portions of this message have been removed]

21455. [ham-antennas] Math and Fwd:Freedom_of_Information=Two members under moderation

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:49:45 UTC
From: van wd8aam
Topic: 21415 Message: 21455

Subject says it all.
Van Lincoln, moderator

21456. RE: [ham-antennas] Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 14:55:48 UTC
From: jo barden
Topic: 21452 Message: 21456

Hi mike

simplest is dipole and work on fundamental and odd harmonics, Fan dipole as multi-band I use an Off Centre Fed dipole (Carolina Windom) in a "V" strung between my house and Walnut tree at lowest about 12ft off ground and that works for me. Bragging hat on now as on Monday got ZL4 on 100w ssb on 17m only my 2nd ZL so happy. Seriously have a play. Wire is relatively cheap, everybody's QTH is different so try. Oh I would also have a vertical if possible as although they can be a bit noisy they tend to have lower angle radiation than an horizontal when at low heights.

If you want to do some reading I would recommend the following for ideas in no particular order:-

Antennas from the ground up, Cebik vols 1 & 2

Simple and fun antenna, Hutchinson and Straw

Backyard antennas, Dodd

Practical wire antennas, Poole Vols 1 & 2

and the daddy of them all the ARRL antenna Book

being as Santa is a couple of days away might be an idea for last minute present?

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: modkulla@...
Date: Thu, 22 Dec 2011 06:17:24 -0800
Subject: [ham-antennas] Antenna(no tune)

What is the "best"(ohh ohh) Antenna for

"Low Height" I can go 25 feet at the most where I am located

I know this wont be the most efficient but do what I gotta do

I want to try a no tune loop, Ok

I will use coax to ladder line to Loop

I want to use this on 10 and 20 meters.

I thought about off center fed dipole type, but I really want more omni

pattern, I am still a greenhorn but fast learner due to experience or should I say

My mistakes which translates to the same thing.

I want this kind of portable as I will be relocating soon

to a place I can put up anything I want to,

For the lighter side of Ham radio

YL says to leave a path free of wire to access the back yard

after we move, she has no problem with the wires otherwise.

73

Mike

ke7sbe

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21457. Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 15:03:26 UTC
From: Ashton
Topic: 21452 Message: 21457

I have an 80 meter loop hung at about 25 feet which works well on all bands from 80-10. It is 265 feet of wire, held up by insulators at the 4 corners. Fed by about 35 feet of 450 ohm ladder line to a 9:1 Balun... then coax to the radio. Only need to tune on 80 meters.

You can feed the same antenna directly with coax and it will tune well on 80 and 40, but need a tuner for other bands.

You can calculate the lengths of smaller loops using this "calculator"
http://mysite.verizon.net/ka1fsb/loopcalc.html

--- In ham-antennas@yahoogroups.com, Memwl <modkulla@...> wrote:
>
> What is the "best"(ohh ohh) Antenna for
> "Low Height" I can go 25 feet at the most where I am located
> I know this wont be the most efficient but do what I gotta do
> I want to try a no tune loop, Ok
> I will use coax to ladder line to Loop
> I want to use this on 10 and 20 meters.
> I thought about off center fed dipole type, but I really want more omni
> pattern, I am still a greenhorn but fast learner due to experience or should I say
> My mistakes which translates to the same thing.
> I want this kind of portable as I will be relocating soon
> to a place I can put up anything I want to,
> For the lighter side of Ham radio
>
>
> YL says to leave a path free of wire to access the back yard
> after we move, she has no problem with the wires otherwise.
>
> 73
> Mike
> ke7sbe
>
>
> [Non-text portions of this message have been removed]
>

21458. Re: [ham-antennas] Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 15:05:12 UTC
From: enkitec@gmail.com
Topic: 21444 Message: 21458

On 22-Dec-11 12:11, Richard Schmuke wrote:
>
>
>
>
> Subject: [ham-antennas] Yet one more Balun question please?
>
>
>
>
>
>
> Let me see if I have this right, The ladder line after the Balun will be
> much lower loss with high SWR then coax. I assume that the remaining coax
> feed before the Balun is still involved and presents a much higher loss per
> foot. So I want to mount the Balun with as little coax as possible and run
> most of the feed as ladder line? Is this why mounting the balun at the
> antenna feed point isn't preferred?
>
> de n8xyn Jim
> Thanks
>
> That is the way I understand it Jim. I keep my coax just about 2ft long.
> Many tuners have a built in balun so you can run the ladder line right to
> the back of the tuner. My MFJ tuner built in balun would not go down to 1:1
> on all bands so I built my own. A foot or two of coax won't have a lot of
> loss like it would if you had your balun mounted at the antenna.
>
> Rich , Kd0zz
>
>

The best tuner for balanced lines would be a balanced one such as
the AT502:

http://www.hamware.de/hardware/tuner502/at502-e.htm

It has the balun at the input, always running at low SWR.

Mark Jordan PY3SS

21459. Re: Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 15:23:46 UTC
From: wa8jxm
Topic: 21444 Message: 21459

Yes, you have it correct.

For many of us, it is more convenient to run coax outside than to bring open wire or ladder line inside.

Once you get outside, it is generally better to run open wire or ladder line if the antenna is not matched to coax, or has a very long run.

For a single band dipole not too far away, I would probably run coax all the way. But for a single antenna wire operated on multiple bands (e.g. an 80m dipole operated on multiple bands), it's probably best to run as little coax as convenient to the balun, and open wire or ladder line the rest of the way.

Ken WA8JXM

--- In ham-antennas@yahoogroups.com, "Jim Whitaker" <jimawhitaker@...> wrote:
>
> Let me see if I have this right, The ladder line after the Balun will be much lower loss with high SWR then coax. I assume that the remaining coax feed before the Balun is still involved and presents a much higher loss per foot. So I want to mount the Balun with as little coax as possible and run most of the feed as ladder line? Is this why mounting the balun at the antenna feed point isn't preferred?
>
>
>
> de n8xyn Jim
> Thanks
>

21460. RE: [ham-antennas] Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 15:59:50 UTC
From: Richard Schmuke
Topic: 21452 Message: 21460

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , Memwl <modkulla@...> wrote:
>
> What is the "best"(ohh ohh) Antenna for
> "Low Height" I can go 25 feet at the most where I am located
> I know this wont be the most efficient but do what I gotta do
> I want to try a no tune loop, Ok
> I will use coax to ladder line to Loop
> I want to use this on 10 and 20 meters.
> I thought about off center fed dipole type, but I really want more omni
> pattern, I am still a greenhorn but fast learner due to experience or should I say
> My mistakes which translates to the same thing.
> I want this kind of portable as I will be relocating soon
> to a place I can put up anything I want to,
> For the lighter side of Ham radio
>
>
> YL says to leave a path free of wire to access the back yard
> after we move, she has no problem with the wires otherwise.
>
> 73
> Mike
> ke7sbe
>
Mike , one small question, what size loop can you put up?

I have a “No Tune” loop that works 40 thru 10. It is a little different. Here is how I made it. I put up a 80M size delta loop. I feed it with coax and have a 4:1 balun at the apex. The apex is about 40ft and the other two points are about 25ft. I used pulleys and rope at all points for quick adjustment. It is spliced in the middle with a split bolt. A 80m loop is a 100 ohm antenna but when operated on a multiple frequency it is a 200 ohm antenna so a 4:1 balun matches it to 50 ohm coax. I checked it at the area of the 20M phone band where I work and adjusted it to a 1:1 SWR. I now can work 40, 20, 17 , 15 , 12 and 10 on one antenna. The low SWR point on 17 is a little low in frequency but all other bands are great. 17 is fine with a inboard tuner if you have one. If you try this remember if you are adjusting for a good SWR setting on 20 and are inclined to use math to figure the length needed for adjustment that you will be adjusting a 80M antenna so if you think you need 4 inches of trim by ciphering it will be 16 in the real world.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

Image removed by sender.

<http://groups.yahoo.com/;_ylc=X3oDMTJlNDVqdW5pBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyNDU2NjIwOA--> Image removed by sender. Yahoo! Groups

Switch to: <mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional> Text-Only, <mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest> Daily Digest • <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe • <http://docs.yahoo.com/info/terms/> Terms of Use

.

Image removed by sender.

[Non-text portions of this message have been removed]

21461. RE: [ham-antennas] Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 16:20:25 UTC
From: Richard Schmuke
Topic: 21444 Message: 21461

>
>

The best tuner for balanced lines would be a balanced one such as
the AT502:

http://www.hamware.de/hardware/tuner502/at502-e.htm

It has the balun at the input, always running at low SWR.

Mark Jordan PY3SS

Well it might be a good set up but for the tuner and control unit for use
with a amp is a little over $3000 and my MFJ tuner cost a whole lot less and
I made my own switchable 4:1 or 1:1 balun for just a few dollars.

Rich, Kd0zz

[Non-text portions of this message have been removed]

21462. Re: [ham-antennas] Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 16:45:59 UTC
From: Joe
Topic: 21444 Message: 21462

Actually the absolute best I have ever seen or used is the Old Johnson
KW Matchbox. The whole tuner itself is balanced. It was made in the
days when balanced line was the norm.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 12/22/2011 10:20 AM, Richard Schmuke wrote:
>>
> The best tuner for balanced lines would be a balanced one such as
> the AT502:
>
> http://www.hamware.de/hardware/tuner502/at502-e.htm
>
> It has the balun at the input, always running at low SWR.
>
> Mark Jordan PY3SS
>
> Well it might be a good set up but for the tuner and control unit for use
> with a amp is a little over $3000 and my MFJ tuner cost a whole lot less and
> I made my own switchable 4:1 or 1:1 balun for just a few dollars.
>
> Rich, Kd0zz
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

21463. Back to the radio topic...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 16:53:05 UTC
From: Dave Cole
Topic: 21439 Message: 21463

Hi,

To bring this back to ham radio... Can you expand on the prohibited
topic thing? I have never heard of that. Either on list, or off list,
you call.

Dave
NK7Z

On Thu, 2011-12-22 at 10:39 +0000, jo barden wrote:

> Whilst I applaud the sentiment of visiting a memorial cemetery I do wonder what this has to do with antennas? As for the comments about liberals that is politics and has nothing to do with Amateur radio and under the UK license conditions is a prohibative subject in communications.
>
> Jon
> G6UWK
>
> To: alchemy61@yahoogroups.com; AmericanConstitutionalMilitia@yahoogroups.com; boneheadmotorco@...; dallasgoldbug@...; ham-antennas@yahoogroups.com; hfpack@yahoogroups.com; info@...; Info@...; nss@...; johnb@...; denizenboy@...; libertytreeradio@yahoogroups.com; newsmax@...; paul.dimeo@...; pidey@...; president@...; rob@...; sontag1@...; tonipennington@...; nativeson53@...; worldcom@yahoogroups.com
> From: w4sfd@...
> Date: Thu, 22 Dec 2011 04:39:54 -0500
> Subject: [ham-antennas] Fwd: [Freedom_of_Information] Fw: [Defeat_Liberals] Christmas at Arlington Cemetery
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
> **
>
> *We the People*
>
> http://www.youtube.com/watch?v=JVAhr4hZDJE
>
> *
>
> ~X(at wits' end
>
> *
>
> ----- Forwarded Message -----
>
> *From:* Norm <nwpars@...>
>
> *To:* "Defeat_Liberals@yahoogroups.com" <Defeat_Liberals@yahoogroups.com>
>
> *Sent:* Tuesday, December 20, 2011 12:30 PM
>
> *Subject:* [Defeat_Liberals] Christmas at Arlington Cemetery
>
>
>
> Merry Christmas Everyone
>
> CHRISTMAS AT ARLINGTON CEMETERY
>
> I wonder why the press hasn't enlightened the public
>
> about it??
>
> Arlington National Cemetery
>
> Rest easy, sleep well my brothers.
>

> Know the line has held, your job is done.
>
> Rest easy, sleep well.
>
> Others have taken up where you fell, the line has held.
>
> Peace, peace, and farewell...
>
> Readers may be interested to know that these wreaths --
>
> some 5,000 -- are donated by the Worcester Wreath Co. of
>
> Harrington, Maine . The owner, Merrill Worcester, not
>
> only provides the wreaths, but covers the trucking
>
> expense as well. He's done this since 1992. A wonderful
>
> guy. Also, most years, groups of Maine school kids
>
> combine an educational trip to DC with this event to
>
> help out. Making this even more remarkable is the fact
>
> that Harrington is in one of the poorest parts of the state.
>
> Please share this with everyone on your address list.
>
> You hear too much about the bad things people do.
>
> Everyone should hear about this.
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>

>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21464. Re: [ham-antennas] Re: multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 16:56:54 UTC
From: Don Sanders
Topic: 21392 Message: 21464

Richard, most users of OCFD antennas have a tuner in their radio or external.
Moving the feed point affects the balun needed for coax feed. 4 to1 or 6 to 1.
The height above ground also affects this, lower needs 4 to 1, higher 6 to 1.
While I have used a Carolina Windom quite sucessfully when I lived in Alabama,
as I had it up about 70 feet in the pine trees, I found it did not work well here as we have no high trees.
Thats why I went back to the parallel dipoles at 35 feet on bamboo poles.
I like the ability to QSY with in the phone band or CW band with out retuning the rig or amplifiers.
I use the tuner with my 88 foot doublet for working all bands as it is at 90 degrees to the parallel dipoles.
Its path is over salt water to ASIA and S. Pacific. The dipoles favor the US and Europe.
Math is not difficult regarding basic antrennas. Simple Algrebra in a few formulas is all that is required.
If you want to become a true whiz then you can tackle Maxwells, Crosse, and other theoretical texts.
They are not necessary to understand basic antennas.
Just read articles by CEBIK, other authors on Ham Universe or other web sites about various antennas.
You will begin to understand the basics shortly.
The ARRL Antenna handbook is another good resource for info.
I recommend reading an older issue from the 1960s as well as 1990s and 2007 or 2009. They all present the info
somewhat differently and sometimes it is easier to understand in one or another issue.
I also find the latest info somewhat dumbed down but different issues show different antenna projects.
The RSGB Handbook I find extremely useful as it presents information not given in the ARRL books.
Like wise the RSGB has books by Moxon and others that give good info on antennas.

Antennas are not all "rocket science" unless you want to get deep into how they operate and do esoteric design work.
However a good understanding of the basics is helpfull to keep a head full of hair and a deep color.
It has been a second love for me for over 60 years and I worked over 30 years professionally in RF and antennas.
You have a good start being here as there are many with good practical advice available. But do your own investigations.

IT'S FUN!!

Dr Don HC4/W4BWS

On Thu, Dec 22, 2011 at 9:27 AM, Memwl <modkulla@...> wrote:

> **
>
>
> You may have answered my post
> on the no tune low height antenna
> before I saw this concerning OCFD, now that is out,
> I remember seeing someplace that I can do this by moving
> the feed point or do I have this wrong
> As far as getting the SWR acceptable on both bands.
> Antenna's are the most important and the most complicated IMHO
> to master, I am no Math whiz.
>
> >_____
> > From: Don Sanders <w4bws1@...>
> >To: ham-antennas@yahoogroups.com
> >Sent: Wednesday, December 21, 2011 8:34 PM
> >Subject: Re: [ham-antennas] Re: multiple OCFD
>
> >
> >Richard, the OCFD will require an ATU of some type. You can get a auto
> >tuner from LDG, MFJ, SGC,ETC
> >If you have room for a 40 meter Center fed dipole coax fed, go for it. At
> >7.1 you should have coverage 7.0 to 7.2 Mhz.
> >Add a full size 20 meter dipole in parallel with it fed from the same c
> >oax.
> >You should install it as far from the 40 meter dipole as possible to
> >reduce interaction.
> >I have used this type antenna for 80,40, 20 and 15 for over 50 years. I
> now
> >have 17 dipole added also.
> >
> >I have not had good fortune with trap dipoles, too narrow SWR bandwidth,
> >higher SWR and lots of fussing
> >to get iot tuned. I don't recommend them unless you do not have room for a
> >full size dipole.
> >If you set the 40 meter antenna for 6.7 to 6.8 Mhz, it will also work on
> 15
> >meters but the SWR may
> >be a bit higher on the phone portion of 40.
> >
> >BTW, DMSO helps my arthritis. I get it at a VET supply place. They use it
> >on race horses when they get lame.
> >Just rub it on like linament.
> >
> >Dr Don HC4/W4BWS

> >
> >On Wed, Dec 21, 2011 at 5:38 PM, richard <richard.bown@...
> >wrote:
> >
> >> **
>
> >>
> >>
> >> On Wed, 21 Dec 2011 20:41:11 +0000 (GMT)
> >> Chris Baker <honywood@...> wrote:
> >>
> >> > there is a yahoo group on the multi band ocfd and info :
> >> > it uses a loading coil & cap,
> >> >
> >> > http://hamwaves.com/cl-ocfd/
> >> >
> >> > i have a simple 66' ocfd with a 4:1 which appears to be working on
> >> > 7/10/14/24/50 & ok on 18/21/28 with an atu.
> >> >
> >> >
> >> > Thanks
> >> >
> >> > Chris Baker B.A.
> >> >
> >> >
> >> > Sunny Morecambe, the gateway to the Lakes
> >> > ARS: G4LDS
> >> > WAB:SD 46
> >> > LOC: IO84 NB
> >> > G-QRP: 6884
> >> > IOTA: EU005
> >> > The SANDS Contest group : G1T
> >> > G4LDS@...
> >> >
> >> > [Non-text portions of this message have been removed]
> >> >
> >>
> >> Thanks Chris
> >> I'm trying hard to get away from running with an ATU, I've arthritis in
> my
> >> spine and shoulder, so turning rollercoasters is a pain. Motorising it
> >> would be
> >> expensive.
> >> Its a toss up between OCFD and 40mtr CFD with a 20mtr trap, then nested
> >> delta
> >> loops for 17,12 &10 mtrs
> >>
> >> 73 HC&HNY
> >> Richard G8JVM
> >>

> >>
> >>
> >
> >
> >[Non-text portions of this message have been removed]
> >
> >
> >
> >------------------------------------
>
> >
> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> >Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> >Post message: ham-antennas@yahoogroups.com
> >Subscribe: ham-antennas-subscribe@yahoogroups.com
> >Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> >List owner: ham-antennas-owner@yahoogroups.com
> >Yahoo! Groups Links
>
> >
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21465. Re: multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 16:59:22 UTC
From: fred
Topic: 21392 Message: 21465

if you run less thaan 500 watts check out the LDG AT-600 pro if more than 600 the LDG-1000 pro . no rollercoasters to turn .
kd5pnt

--- In ham-antennas@yahoogroups.com, Memwl <modkulla@...> wrote:
>
> You may have answered my post
> on the no tune low height antenna
> before I saw this concerning OCFD, now that is out,
> I remember seeing someplace that I can do this by moving
> the feed point or do I have this wrong
> As far as getting the SWR acceptable on both bands.
> Antenna's are the most important and the most complicated IMHO
> to master, I am no Math whiz.
>
>
>
>
> >_____
> > From: Don Sanders <w4bws1@...>
> >To: ham-antennas@yahoogroups.com
> >Sent: Wednesday, December 21, 2011 8:34 PM
> >Subject: Re: [ham-antennas] Re: multiple OCFD
> >
> >Richard, the OCFD will require an ATU of some type. You can get a auto
> >tuner from LDG, MFJ, SGC,ETC
> >If you have room for a 40 meter Center fed dipole coax fed, go for it. At
> >7.1 you should have coverage 7.0 to 7.2 Mhz.
> >Add a full size 20 meter dipole in parallel with it fed from the same c
> >oax.
> >You should install it as far from the 40 meter dipole as possible to
> >reduce interaction.
> >I have used this type antenna for 80,40, 20 and 15 for over 50 years. I now
> >have 17 dipole added also.
> >
> >I have not had good fortune with trap dipoles, too narrow SWR bandwidth,
> >higher SWR and lots of fussing
> >to get iot tuned. I don't recommend them unless you do not have room for a
> >full size dipole.
> >If you set the 40 meter antenna for 6.7 to 6.8 Mhz, it will also work on 15
> >meters but the SWR may
> >be a bit higher on the phone portion of 40.
> >
> >BTW, DMSO helps my arthritis. I get it at a VET supply place. They use it
> >on race horses when they get lame.

> >Just rub it on like linament.
> >
> >Dr Don HC4/W4BWS
> >
> >On Wed, Dec 21, 2011 at 5:38 PM, richard <richard.bown@...>wrote:
> >
> >> **
> >>
> >>
> >> On Wed, 21 Dec 2011 20:41:11 +0000 (GMT)
> >> Chris Baker <honywood@...> wrote:
> >>
> >> > there is a yahoo group on the multi band ocfd and info :
> >> > it uses a loading coil & cap,
> >> >
> >> > http://hamwaves.com/cl-ocfd/
> >> >
> >> > i have a simple 66' ocfd with a 4:1 which appears to be working on
> >> > 7/10/14/24/50 & ok on 18/21/28 with an atu.
> >> >
> >> >
> >> > Thanks
> >> >
> >> > Chris Baker B.A.
> >> >
> >> >
> >> > Sunny Morecambe, the gateway to the Lakes
> >> > ARS: G4LDS
> >> > WAB:SD 46
> >> > LOC: IO84 NB
> >> > G-QRP: 6884
> >> > IOTA: EU005
> >> > The SANDS Contest group : G1T
> >> > G4LDS@...
> >> >
> >> > [Non-text portions of this message have been removed]
> >> >
> >>
> >> Thanks Chris
> >> I'm trying hard to get away from running with an ATU, I've arthritis in my
> >> spine and shoulder, so turning rollercoasters is a pain. Motorising it
> >> would be
> >> expensive.
> >> Its a toss up between OCFD and 40mtr CFD with a 20mtr trap, then nested
> >> delta
> >> loops for 17,12 &10 mtrs
> >>
> >> 73 HC&HNY
> >> Richard G8JVM
> >>

> >>
> >>
> >
> >
> >[Non-text portions of this message have been removed]
> >
> >
> >
> >------------------------------------
> >
> >HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> >Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> >Post message: ham-antennas@yahoogroups.com
> >Subscribe: ham-antennas-subscribe@yahoogroups.com
> >Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> >List owner: ham-antennas-owner@yahoogroups.com
> >Yahoo! Groups Links
> >
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>

21466. Looking for antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 17:09:30 UTC
From: Ronald Anderson
Topic: 21466 Message: 21466

Anyone on the reflector got a Force 12 - C-3 or EF-220 for sale under
$250.00, I have a friend who /HR9 on the island
of Roatan, Bay Islands, HN, the only mode of transportation is via boat.
Anyway he doesn't have a lot to spend on a
antenna so he is looking for a used one in good shape. Thanks for the help.
You can reach me off line and I will have
him make e-mail contact.

Ron Anderson, W9RMA
Chippewa Falls, WI 54729
715-723-1729(H), 715-579-5488(C)
w9rma@...

21467. Re: [ham-antennas] Re: multiple OCFD

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 17:54:31 UTC
From: Richard
Topic: 21392 Message: 21467

On Thu, 22 Dec 2011 16:59:22 -0000
"fred" <radiomanl@...> wrote:

> if you run less thaan 500 watts check out the LDG AT-600 pro if more than 600 the LDG-1000 pro . no
> rollercoasters to turn . kd5pnt
>
> --- In ham-antennas@yahoogroups.com, Memwl <modkulla@...> wrote:
>

Thanks for all the replies and help.
Definitely food for thought,
The 1.5mm aluminium wire arrived today at last, and I strung up a 40 mtr CFD, From nearly the top of the
tower to a tree in the corner of the garden, about 25' high.(there's a pic of the tower and antennas on
qrz.com)
I tried the multiple dipole for 20 & 17 mtrs at the same feed point, not much interaction on 40 mtrs ,
but both of the high bands no longer resonated well. But if I leave them off I can get some height on it
without drooping, and less tension on the stub mast on the tower.
There's a long run 40' of RG213 which goes underground until the middle of the garden/yard, then about
35' of RG58 to the feed point, there's no balun at the feed point at the moment. With 90W forward I
have 200mW reverse power. So I'm tempted to leave it well alone and look for another point to hang
antennas from for the high bands.
On 15 mtrs not so good , its resonant at 22.3 MHz. Maybe a series resonant trap at 21 MHz at each end
to add a bit of length ?

--
Happy Christmas and a Happy New Year

Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W

###

21468. Re: [ham-antennas] Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 18:51:10 UTC
From: Ron Youvan
Topic: 21444 Message: 21468

Jim N8XYN Whitaker wrote:

> Let me see if I have this right, The ladder line after the Balun will be much lower loss with high
> SWR then coax. I assume that the remaining coax feed before the Balun is still involved and presents
> a much higher loss per foot. So I want to mount the Balun with as little coax as possible and run
> most of the feed as ladder line? Is this why mounting the balun at the antenna feed point isn't
> preferred?

Positively.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21469. Re: [ham-antennas] Math

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 21:02:15 UTC
From: Robert Costa, KB6QXM
Topic: 21469 Message: 21469

I agree. The terms and conditions of joining the forum was to keep the subject matter on the forum for which it was generated. If the religious thumpers want to talk about their religion or religious matters, there has to be a yahoo group for them. This one was generated for ham radio antennas. Common courtesy should dictate that this will be the subject discussed.

73,
Robert
KB6QXM

----- Reply message -----
From: "John Parker" <parkjv1@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Math
Date: Wed, Dec 21, 2011 12:40 pm
While I'm a Christan, I think this post does't comform to the rules of ham antennas!

It's not a forum for your religious beliefs, comments, etc

My .02 worth!

John WH6DQU

Sent from my iPhone

On Dec 17, 2011, at 10:10 AM, alwaysonline22@... wrote:

>

>

> God is a awesome God!!

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21470. Re: Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 21:16:39 UTC
From: Jim Whitaker
Topic: 21444 Message: 21470

--- In ham-antennas@yahoogroups.com, "wa8jxm" <wa8jxm@...> wrote:
>
>
> Yes, you have it correct.
>
> For many of us, it is more convenient to run coax outside than to bring open wire or ladder line inside.
>
> Once you get outside, it is generally better to run open wire or ladder line if the antenna is not matched to coax, or has a very long run.
>
> For a single band dipole not too far away, I would probably run coax all the way. But for a single antenna wire operated on multiple bands (e.g. an 80m dipole operated on multiple bands), it's probably best to run as little coax as convenient to the balun, and open wire or ladder line the rest of the way.
>
> Ken WA8JXM
>
That's what I suspected to be true. Now is there any difference other then power handling between say 300 & 450 ohm ladder line?

de n8xyn k

21471. AW: [ham-antennas] Re: Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 21:20:14 UTC
From: siegfried.jackstien
Topic: 21444 Message: 21471

Yes ... the impedance of the ladderline does also change impedance on lower end of the line (so at the balun end) ... 450 has lower loss, higher power capability and the impedance will keep you in the middle of the impedance ranges so easier to match
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m] Im
> Auftrag von Jim Whitaker
> Gesendet: Donnerstag, 22. Dezember 2011 21:17
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Yet one more Balun question please?
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-
> antennas%40yahoogroups.com> , "wa8jxm" <wa8jxm@...> wrote:
> >
> >
> > Yes, you have it correct.
> >
> > For many of us, it is more convenient to run coax outside than to bring
> open wire or ladder line inside.
> >
> > Once you get outside, it is generally better to run open wire or ladder
> line if the antenna is not matched to coax, or has a very long run.
> >
> > For a single band dipole not too far away, I would probably run coax all
> the way. But for a single antenna wire operated on multiple bands (e.g. an
> 80m dipole operated on multiple bands), it's probably best to run as
> little coax as convenient to the balun, and open wire or ladder line the
> rest of the way.
> >
> > Ken WA8JXM
> >
> That's what I suspected to be true. Now is there any difference other then
> power handling between say 300 & 450 ohm ladder line?
>
> de n8xyn k
>
>
>

>

21472. Re: [ham-antennas] Math and Fwd:Freedom_of_Information=Two members under moderation

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-22 22:42:23 UTC
From: Louis Visconti
Topic: 21415 Message: 21472

Thank you.
Lou, KD2MU

On 12/22/2011 9:49 AM, van wd8aam wrote:
>
> Subject says it all.
> Van Lincoln, moderator
>
>

[Non-text portions of this message have been removed]

21473. 5/8 wave mobile antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 00:01:33 UTC
From: standin8
Topic: 21473 Message: 21473

hey dose nyone one know where i can get or make a 5/8th wave mobile wip? Im runing only 25watts pep & I need all the help I can get or how about a 5/8th wave wire antenna?
Ka0mek martin

21474. RE: [ham-antennas] 5/8 wave mobile antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 00:51:15 UTC
From: Richard Schmuke
Topic: 21473 Message: 21474

You can get them any place, I have no ties to R&L but I would call them, the carry at least 6 different brands of 5/8wl 2m mobile mount antennas, magmount, trunk mount and whatever. So you have many to choose from.

http://store.rlham.com/shop/catalog/

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of standin8
Sent: Thursday, December 22, 2011 6:02 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 5/8 wave mobile antenna

hey dose nyone one know where i can get or make a 5/8th wave mobile wip? Im runing only 25watts pep & I need all the help I can get or how about a 5/8th wave wire antenna?
Ka0mek martin

[Non-text portions of this message have been removed]

21475. Re: [ham-antennas] Re: Yet one more Balun question please?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 01:02:03 UTC
From: Ken
Topic: 21444 Message: 21475

Is there a difference? Yes. Is it significant? No.

Ken WA8JXM

On Dec 22, 2011, at 4:16 PM, Jim Whitaker wrote:

> That's what I suspected to be true. Now is there any difference other then power handling between say 300 & 450 ohm ladder line?

21476. v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 01:45:58 UTC
From: fly_ul
Topic: 21476 Message: 21476

Are v beam antennas effective? I have the real estate and the hardware to install some v beams. I have researched the internet and I get two answers, either they are great or they are terrible?

Can someone tell me the reason they are bad or good?

WO4R

21477. Re: [ham-antennas] v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 02:26:16 UTC
From: Dave
Topic: 21476 Message: 21477

I mounted a "v" wire beam on my roof on a12 foot mast attached to my chimney. I fed it with 300 ohm twin lead. Each leg is 133 feet long, attached to 2 trees. The angle between the legs is about 45 degrees, with the open end facing southwest and the closed end, northeast, of course. It is a bi-directional antenna, but I suspect the greatest gain is at the open end. The gain is about 2 db on 80 and up to 8 db on 10. I think I am conservative with these figures. The twin
lead goes to my tuner which has a built in balun. Downside is that it is pretty directional. I live Georgia, so it is great to Europe and New England, and and to Australia. Not good to Japan or Africa.

On Dec 22, 2011, at 8:45 PM, "fly_ul" <fly_ul@...> wrote:

> Are v beam antennas effective? I have the real estate and the hardware to install some v beams. I have researched the internet and I get two answers, either they are great or they are terrible?
>
> Can someone tell me the reason they are bad or good?
>
> WO4R
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21478. Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 04:11:39 UTC
From: kd8dvy@ymail.com
Topic: 21452 Message: 21478

Mike,

You did not mention what you are trying to work. Are you trying to work DX, contest, or just make contacts?

If this is just a temp situation I was use a small homebrew G5RV. 33' feed with 33' of ladder line.

Harold/KD8DVY

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
>
>
>
>
> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , Memwl <modkulla@> wrote:
> >
> > What is the "best"(ohh ohh) Antenna for
> > "Low Height" I can go 25 feet at the most where I am located
> > I know this wont be the most efficient but do what I gotta do
> > I want to try a no tune loop, Ok
> > I will use coax to ladder line to Loop
> > I want to use this on 10 and 20 meters.
> > I thought about off center fed dipole type, but I really want more omni
> > pattern, I am still a greenhorn but fast learner due to experience or should I say
> > My mistakes which translates to the same thing.
> > I want this kind of portable as I will be relocating soon
> > to a place I can put up anything I want to,
> > For the lighter side of Ham radio
> >
> >
> > YL says to leave a path free of wire to access the back yard
> > after we move, she has no problem with the wires otherwise.
> >
> > 73
> > Mike
> > ke7sbe
> >
> Mike , one small question, what size loop can you put up?
>
> I have a â□□No Tuneâ□□ loop that works 40 thru 10. It is a little different. Here is how I made it. I put up a 80M size delta loop. I feed it with coax and have a 4:1 balun at the apex. The apex is about 40ft and the other two points are about 25ft. I used pulleys and rope at all points for quick adjustment. It is spliced in the middle with a split bolt. A 80m

loop is a 100 ohm antenna but when operated on a multiple frequency it is a 200 ohm antenna so a 4:1 balun matches it to 50 ohm coax. I checked it at the area of the 20M phone band where I work and adjusted it to a 1:1 SWR. I now can work 40, 20, 17 , 15 , 12 and 10 on one antenna. The low SWR point on 17 is a little low in frequency but all other bands are great. 17 is fine with a inboard tuner if you have one. If you try this remember if you are adjusting for a good SWR setting on 20 and are inclined to use math to figure the length needed for adjustment that you will be adjusting a 80M antenna so if you think you need 4 inches of trim by ciphering it will be 16 in the real world.
>
> Rich ,KDÃ□ZZ , â□º
>
>
>
> from the middle of Missouri , out in the sticks with the hicks and the ticks.
>
>
>
>
>
>
>
> Image removed by sender.
>
> <http://groups.yahoo.com/;_ylc=X3oDMTJlNDVqdW5pBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyNDU2NjIwOA--> Image removed by sender. Yahoo! Groups
>
> Switch to:
<mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional> Text-Only, <mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest> Daily Digest â□¢ <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe â□¢ <http://docs.yahoo.com/info/terms/> Terms of Use
>
> .
>
> Image removed by sender.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21479. Re: [ham-antennas] Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 04:27:49 UTC
From: Dave
Topic: 21452 Message: 21479

Not a temp. This antenna gets great gain for a wire antenna. Terrific for both local and DX.

Sent from my awesome iPhone 4S

On Dec 22, 2011, at 11:11 PM, "kd8dvy@..." <lilhawk236@...> wrote:

> Mike,
>
> You did not mention what you are trying to work. Are you trying to work DX, contest, or just make contacts?
>
> If this is just a temp situation I was use a small homebrew G5RV. 33' feed with 33' of ladder line.
>
> Harold/KD8DVY
>
> --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>>
>>
>>
>>
>>
>> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , Memwl <modkulla@> wrote:
>>>
>>> What is the "best"(ohh ohh) Antenna for
>>> "Low Height" I can go 25 feet at the most where I am located
>>> I know this wont be the most efficient but do what I gotta do
>>> I want to try a no tune loop, Ok
>>> I will use coax to ladder line to Loop
>>> I want to use this on 10 and 20 meters.
>>> I thought about off center fed dipole type, but I really want more omni
>>> pattern, I am still a greenhorn but fast learner due to experience or should I say
>>> My mistakes which translates to the same thing.
>>> I want this kind of portable as I will be relocating soon
>>> to a place I can put up anything I want to,
>>> For the lighter side of Ham radio
>>>
>>>
>>> YL says to leave a path free of wire to access the back yard
>>> after we move, she has no problem with the wires otherwise.
>>>
>>> 73
>>> Mike
>>> ke7sbe
>>>

>> Mike , one small question, what size loop can you put up?
>>
>> I have a â€œNo Tuneâ€□ loop that works 40 thru 10. It is a little different. Here is how I made it. I put up a 80M size delta loop. I feed it with coax and have a 4:1 balun at the apex. The apex is about 40ft and the other two points are about 25ft. I used pulleys and rope at all points for quick adjustment. It is spliced in the middle with a split bolt. A 80m loop is a 100 ohm antenna but when operated on a multiple frequency it is a 200 ohm antenna so a 4:1 balun matches it to 50 ohm coax. I checked it at the area of the 20M phone band where I work and adjusted it to a 1:1 SWR. I now can work 40, 20, 17 , 15 , 12 and 10 on one antenna. The low SWR point on 17 is a little low in frequency but all other bands are great. 17 is fine with a inboard tuner if you have one. If you try this remember if you are adjusting for a good SWR setting on 20 and are inclined to use math to figure the length needed for adjustment that you will be adjusting a 80M antenna so if you think you need 4 inches of trim by ciphering it will be 16 in the real world.
>>
>> Rich ,KDÃ˜ZZ , â˜º
>>
>>
>>
>> from the middle of Missouri , out in the sticks with the hicks and the ticks.
>>
>>
>>
>>
>>
>>
>>
>> Image removed by sender.
>>
>> <http://groups.yahoo.com/;_ylc=X3oDMTJlNDVqdW5pBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyNDU2NjIwOA--> Image removed by sender. Yahoo! Groups
>>
>> Switch to:
<mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional> Text-Only, <mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest> Daily Digest â€¢ <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe â€¢ <http://docs.yahoo.com/info/terms/> Terms of Use
>>
>> .
>>
>> Image removed by sender.
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>

>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@...m
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21480. anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 05:53:54 UTC
From: kj6ddf
Topic: 21480 Message: 21480

I have heard of using using steel galvanized 20 or 22 or similar for antenna wire?

21481. Greetings all new to group old to antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 06:28:48 UTC
From: ko1h
Topic: 21481 Message: 21481

HI All, Im new to the group but Ive been building antennas for almost 40 years. Im currently pondering about two antenna posibilites. I have a Windom across the front tree''s of my very small lot that is not working as it used to. Its primary use had been to cover warc bands and as a General use antenna for my upstairs stations. (main Station in office in basement SO2R etc) Upstairs station for casual dxing while watching my son. (5 yo now in kindegarten)

Considering the following to either replace the Windom with another, replace it with a G5rv or install a double sized g5rv or 160m dipole fed with twin lead(The larger antenna would have a configuration something like this.

A 60ft section center or off center fed at apx 35ft in the front broad side e/w with the two legs bent 90 degree for another apx 60ft sloping down to about 20ft wiht the remainder of the antenna being bent in again paralell to the front wire again at apx 20ft.

Not quite sure if I should leave it a doublet or turn it into a loop?

Not sure if its worth the trouble. I have other 160m antennas.

Sugggestions?

Just to give you an idea of what else I have:

Here is the current atnenna line up:

2 element quad 10-15-20m
4 element tribander fixed south (currently down but to be reinstalled in spring)
2 element vertical phased array on 40m
80m center loaded gladiator
Ma160 Top loaded vertical
40-80-160m loaded dipole
Dxa sloper
60m dipole
10m delta loop
10-12-15-17-20 vertical dipoles
30m vertical dipole
30-17-12 m invertred v fan dipole

Inductivly loaded 160m Inverted L with loaded elevated radials

4 elements on 6m
13 elements on 2m
25 elements on 432
10 elements on 220

Fm Verticals

Lets see what the opions are detween Windom, G5 or bent dipole or loop?

thanks es 73 de John ko1h
'

[Non-text portions of this message have been removed]

21482. Re: [ham-antennas] anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 11:38:07 UTC
From: Ken
Topic: 21480 Message: 21482

On Dec 23, 2011, at 12:53 AM, kj6ddf wrote:

> I have heard of using using steel galvanized 20 or 22 or similar for antenna wire?

20 ga sounds way too thin for fence wire. Anyway, typical galvanized fence wire has thin galvanizing and doesn't hold up well, besides being harder to make a good connection. Why not just use copper wire? You can get rolls of #16 THHN insulated wire at Lowe's etc. for as little as 10 cents/ft.

Ken WA8JXM

21483. Re: [ham-antennas] v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 12:24:10 UTC
From: Artekmedia
Topic: 21476 Message: 21483

At what frequency and how high in the air.are you considering?
Interested in working DX or just having a bigger signal on the local
NET, etc.? Proper design (length , apex angle and height above ground
are all important). Based on the available space and trees, it is worth
modeling your situation to see if the pattern does what you want

Many folks throw up a couple of hundred feet of wire at modest heights (
say 35-40 feet) and are disappointed that it doesn't give them 3 s-units
of gain on 80M when working Europe., an unrealistic expectation given
the height in my example...

Dave
NR1DX

On 12/22/2011 7:45 PM, fly_ul wrote:
>
> Are v beam antennas effective? I have the real estate and the hardware
> to install some v beams. I have researched the internet and I get two
> answers, either they are great or they are terrible?
>
> Can someone tell me the reason they are bad or good?
>
> WO4R
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21484. Re: [ham-antennas] Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 12:40:03 UTC
From: doug pfaff
Topic: 21452 Message: 21484

Make sure your R and XC or XL values of your actual antenna measured with a Noise Bridge OR ANTENNA ANALYZER are within the adjustment ranges accepted by your tuner,refer to your units specification sheets

Remember its only fooling your radio into thinking it a good match exists. Better to get the antenna within band parameters.

Actual site conditions can throw OFF the theoretical antenna THEORY.

Doug VE5DCP

Doug Pfaff

----- Original Message -----
From: Dave
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 22, 2011 10:27 PM
Subject: Re: [ham-antennas] Re: Antenna(no tune)

Not a temp. This antenna gets great gain for a wire antenna. Terrific for both local and DX.

Sent from my awesome iPhone 4S

On Dec 22, 2011, at 11:11 PM, "kd8dvy@..." <lilhawk236@...> wrote:

> Mike,
>
> You did not mention what you are trying to work. Are you trying to work DX, contest, or just make contacts?
>
> If this is just a temp situation I was use a small homebrew G5RV. 33' feed with 33' of ladder line.
>
> Harold/KD8DVY
>
> --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>>
>>
>>
>>
>>
>> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , Memwl <modkulla@> wrote:
>>>
>>> What is the "best"(ohh ohh) Antenna for
>>> "Low Height" I can go 25 feet at the most where I am located
>>> I know this wont be the most efficient but do what I gotta do
>>> I want to try a no tune loop, Ok

>>> I will use coax to ladder line to Loop
>>> I want to use this on 10 and 20 meters.
>>> I thought about off center fed dipole type, but I really want more omni
>>> pattern, I am still a greenhorn but fast learner due to experience or should I say
>>> My mistakes which translates to the same thing.
>>> I want this kind of portable as I will be relocating soon
>>> to a place I can put up anything I want to,
>>> For the lighter side of Ham radio
>>>
>>>
>>> YL says to leave a path free of wire to access the back yard
>>> after we move, she has no problem with the wires otherwise.
>>>
>>> 73
>>> Mike
>>> ke7sbe
>>>
>> Mike , one small question, what size loop can you put up?
>>
>> I have a â€œNo Tuneâ€□ loop that works 40 thru 10. It is a little different. Here is how I made it. I put up a 80M size delta loop. I feed it with coax and have a 4:1 balun at the apex. The apex is about 40ft and the other two points are about 25ft. I used pulleys and rope at all points for quick adjustment. It is spliced in the middle with a split bolt. A 80m loop is a 100 ohm antenna but when operated on a multiple frequency it is a 200 ohm antenna so a 4:1 balun matches it to 50 ohm coax. I checked it at the area of the 20M phone band where I work and adjusted it to a 1:1 SWR. I now can work 40, 20, 17 , 15 , 12 and 10 on one antenna. The low SWR point on 17 is a little low in frequency but all other bands are great. 17 is fine with a inboard tuner if you have one. If you try this remember if you are adjusting for a good SWR setting on 20 and are inclined to use math to figure the length needed for adjustment that you will be adjusting a 80M antenna so if you think you need 4 inches of trim by ciphering it will be 16 in the real world.
>>
>> Rich ,KDÃ˜ZZ , â˜º
>>
>>
>>
>> from the middle of Missouri , out in the sticks with the hicks and the ticks.
>>
>>
>>
>>
>>
>>
>>
>>
>> Image removed by sender.
>>
>> <http://groups.yahoo.com/;_ylc=X3oDMTJlNDVqdW5pBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyNDU2NjIwOA--> Image removed by sender. Yahoo! Groups
>>
>> Switch to:
<mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional>

Text-Only, <mailto:ham-antennas-digest@...m?subject=Email%20Delivery:%20Digest> Daily Digest â€¢
<mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe â€¢
<http://docs.yahoo.com/info/terms/> Terms of Use
>>
>> .
>>
>> Image removed by sender.
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21485. Re: [ham-antennas] anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 13:05:01 UTC
From: Ron Youvan
Topic: 21480 Message: 21485

kj6ddf wrote:

> I have heard of using using steel galvanized 20 or 22 or similar for antenna wire?

And I tried it, (electric fence wire) it worked fine. The thin electroplated zinc plating was
damaged on the top by atmospheric electrical energy* way too early. If it had a plastic coating it
might be practical. It was very hard to see up 30'.
* from nearby thunderstorms

The very thinnest stainless steel wire or cable (stranded) should overcome such problems, but the
strength of solid wire depends on the type of stainless steel it is made of.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21486. Re: [ham-antennas] Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 13:37:55 UTC
From: Memwl
Topic: 21452 Message: 21486

Well I am getting my finances in order an will get the ARRL antenna Book
Thanks
k37sbe

>_____
> From: jo barden <jobarden422@...>
>To: ham-antennas@yahoogroups.com
>Sent: Thursday, December 22, 2011 7:55 AM
>Subject: RE: [ham-antennas] Antenna(no tune)
>
>
>Hi mike
>
>simplest is dipole and work on fundamental and odd harmonics, Fan dipole as multi-band I use an Off Centre Fed dipole (Carolina Windom) in a "V" strung between my house and Walnut tree at lowest about 12ft off ground and that works for me. Bragging hat on now as on Monday got ZL4 on 100w ssb on 17m only my 2nd ZL so happy. Seriously have a play. Wire is relatively cheap, everybody's QTH is different so try. Oh I would also have a vertical if possible as although they can be a bit noisy they tend to have lower angle radiation than an horizontal when at low heights.
>
>If you want to do some reading I would recommend the following for ideas in no particular order:-
>
>
>Antennas from the ground up, Cebik vols 1 & 2
>
>Simple and fun antenna, Hutchinson and Straw
>
>Backyard antennas, Dodd
>
>Practical wire antennas, Poole Vols 1 & 2
>
>and the daddy of them all the ARRL antenna Book
>
>being as Santa is a couple of days away might be an idea for last minute present?
>
>
>Jon
>
>G6UWK
>
>To: ham-antennas@yahoogroups.com
>From: modkulla@...
>Date: Thu, 22 Dec 2011 06:17:24 -0800

>Subject: [ham-antennas] Antenna(no tune)
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>   What is the "best"(ohh ohh) Antenna for
>
>"Low Height" I can go 25 feet at the most where I am located
>
>I know this wont be the most efficient but do what I gotta do
>
>I want to try a no tune loop, Ok
>
>I will use coax to ladder line to Loop
>
>I want to use this on 10 and 20 meters.
>
>I thought about off center fed dipole type, but I really want more omni
>
>pattern, I am still a greenhorn but fast learner due to experience or should I say
>
>My mistakes which translates to the same thing.
>
>I want this kind of portable as I will be relocating soon
>
>to a place I can put up anything I want to,

>
>For the lighter side of Ham radio
>
>
>
>YL says to leave a path free of wire to access the back yard
>
>after we move, she has no problem with the wires otherwise.
>
>
>
>73
>
>Mike
>
>ke7sbe
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com

>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

21487. Re: [ham-antennas] Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 13:47:12 UTC
From: Memwl
Topic: 21452 Message: 21487

I do have the yard for that now, maybe I can use PVC to support at the wire, its just that I have a power pole on the east side of the yard 50' x 60' about center. it has a Power and a cable drop coming to the house, its to high to go over it so the wire will pass below the power lines.
I also have guy wires on a imax that I use for 10 meters, the wires are wire, so I will change those to
some type of nonmetallic support, I as just wondering will I get any noise off the power and cable drops, if so I will try the beads
I will take a picture and try to upload it, maybe someone has a suggestion.

Thanks for any input
ke7sbe
Mike

>_____
> From: Ashton <ashton.lee@...>
>To: ham-antennas@yahoogroups.com
>Sent: Thursday, December 22, 2011 8:03 AM
>Subject: [ham-antennas] Re: Antenna(no tune)
>
>
>
>I have an 80 meter loop hung at about 25 feet which works well on all bands from 80-10. It is 265 feet of wire, held up by insulators at the 4 corners. Fed by about 35 feet of 450 ohm ladder line to a 9:1 Balun... then coax to the radio. Only need to tune on 80 meters.
>
>You can feed the same antenna directly with coax and it will tune well on 80 and 40, but need a tuner for other bands.
>
>You can calculate the lengths of smaller loops using this "calculator"
http://mysite.verizon.net/ka1fsb/loopcalc.html
>
>--- In ham-antennas@yahoogroups.com, Memwl <modkulla@...> wrote:
>>
>> What is the "best"(ohh ohh) Antenna for
>> "Low Height" I can go 25 feet at the most where I am located
>> I know this wont be the most efficient but do what I gotta do
>> I want to try a no tune loop, Ok
>> I will use coax to ladder line to Loop
>> I want to use this on 10 and 20 meters.
>> I thought about off center fed dipole type, but I really want more omni
>> pattern, I am still a greenhorn but fast learner due to experience or should I say
>> My mistakes which translates to the same thing.
>> I want this kind of portable as I will be relocating soon
>> to a place I can put up anything I want to,

>> For the lighter side of Ham radio
>>
>>
>> YL says to leave a path free of wire to access the back yard
>> after we move, she has no problem with the wires otherwise.
>>
>> 73
>> Mike
>> ke7sbe
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
>
>

[Non-text portions of this message have been removed]

21488. Re: [ham-antennas] Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 13:50:23 UTC
From: Memwl
Topic: 21452 Message: 21488

Rich 40-10 would be ok for now, I appreciate your input, I have been going round and round and just have not settled on what I want to do
I am getting restless, so I am just going to start experimenting, with some of the ideas I get here

Thanks
ke7sbe
MIke

>_____
> From: Richard Schmuke <rdj@...>
>To: ham-antennas@yahoogroups.com
>Sent: Thursday, December 22, 2011 8:59 AM
>Subject: RE: [ham-antennas] Re: Antenna(no tune)
>
>
>
>
>
>--- In ham-antennas@...m <mailto:ham-antennas%40yahoogroups.com> , Memwl <modkulla@...> wrote:
>>
>> What is the "best"(ohh ohh) Antenna for
>> "Low Height" I can go 25 feet at the most where I am located
>> I know this wont be the most efficient but do what I gotta do
>> I want to try a no tune loop, Ok
>> I will use coax to ladder line to Loop
>> I want to use this on 10 and 20 meters.
>> I thought about off center fed dipole type, but I really want more omni
>> pattern, I am still a greenhorn but fast learner due to experience or should I say
>> My mistakes which translates to the same thing.
>> I want this kind of portable as I will be relocating soon
>> to a place I can put up anything I want to,
>> For the lighter side of Ham radio
>>
>>
>> YL says to leave a path free of wire to access the back yard
>> after we move, she has no problem with the wires otherwise.
>>
>> 73
>> Mike
>> ke7sbe
>>
>Mike , one small question, what size loop can you put up?
>
>I have a “No Tune” loop that works 40 thru 10. It is a little different. Here is how I made it. I put up a 80M size delta

loop. I feed it with coax and have a 4:1 balun at the apex. The apex is about 40ft and the other two points are about 25ft. I used pulleys and rope at all points for quick adjustment. It is spliced in the middle with a split bolt. A 80m loop is a 100 ohm antenna but when operated on a multiple frequency it is a 200 ohm antenna so a 4:1 balun matches it to 50 ohm coax. I checked it at the area of the 20M phone band where I work and adjusted it to a 1:1 SWR. I now can work 40, 20, 17 , 15 , 12 and 10 on one antenna. The low SWR point on 17 is a little low in frequency but all other bands are great. 17 is fine with a inboard tuner if you have one. If you try this remember if you are adjusting for a good SWR setting on 20 and are inclined to use math to figure the length needed for adjustment that you will be adjusting a 80M antenna so if you think you need 4 inches of trim by ciphering it will be 16 in the real world.
>
>Rich ,KDØZZ , ☺
>
>from the middle of Missouri , out in the sticks with the hicks and the ticks.
>
>Image removed by sender.
>
><http://groups.yahoo.com/;_ylc=X3oDMTJlNDVqdW5pBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyNDU2NjIwOA--> Image removed by sender. Yahoo! Groups
>
>Switch to:
<mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional>
Text-Only, <mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest> Daily Digest •
<mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe •
<http://docs.yahoo.com/info/terms/> Terms of Use
>
>.
>
>Image removed by sender.
>
>[Non-text portions of this message have been removed]
>
>
>
>
>

[Non-text portions of this message have been removed]

21489. Re: [ham-antennas] Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 14:01:09 UTC
From: Memwl
Topic: 21452 Message: 21489

Thanks, I was wanting to build something, I got the Wire Antenna Bug,
so I will be getting that Arrl Antenna Book, I have read
a lot of chapters from it bit don't own a copy due to financial reasons, (which are
getting better now)
I asked for advice in order to keep from making common mistakes(cheating)
That someone else may have found, I think I have enough Ammo to do it.
So I will be getting busy after Christmas, will have it up before New Years
I will try the 40-10 meter first, then lengthen it later for 80
73
Ke7sbe

>_____
> From: "kd8dvy@..." <lilhawk236@...>
>To: ham-antennas@yahoogroups.com
>Sent: Thursday, December 22, 2011 9:11 PM
>Subject: [ham-antennas] Re: Antenna(no tune)
>
>
>
>Mike,
>
>You did not mention what you are trying to work. Are you trying to work DX, contest, or just make contacts?
>
>If this is just a temp situation I was use a small homebrew G5RV. 33' feed with 33' of ladder line.
>
>Harold/KD8DVY
>
>--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>>
>>
>>
>>
>>
>> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , Memwl <modkulla@>
wrote:
>> >
>> > What is the "best"(ohh ohh) Antenna for
>> > "Low Height" I can go 25 feet at the most where I am located
>> > I know this wont be the most efficient but do what I gotta do
>> > I want to try a no tune loop, Ok
>> > I will use coax to ladder line to Loop
>> > I want to use this on 10 and 20 meters.
>> > I thought about off center fed dipole type, but I really want more omni
>> > pattern, I am still a greenhorn but fast learner due to experience or should I say

>> > My mistakes which translates to the same thing.
>> > I want this kind of portable as I will be relocating soon
>> > to a place I can put up anything I want to,
>> > For the lighter side of Ham radio
>> >
>> >
>> > YL says to leave a path free of wire to access the back yard
>> > after we move, she has no problem with the wires otherwise.
>> >
>> > 73
>> > Mike
>> > ke7sbe
>> >
>> Mike , one small question, what size loop can you put up?
>>
>> I have a “No Tune” loop that works 40 thru 10. It is a little different. Here is how I made it. I put up a 80M size delta loop. I feed it with coax and have a 4:1 balun at the apex. The apex is about 40ft and the other two points are about 25ft. I used pulleys and rope at all points for quick adjustment. It is spliced in the middle with a split bolt. A 80m loop is a 100 ohm antenna but when operated on a multiple frequency it is a 200 ohm antenna so a 4:1 balun matches it to 50 ohm coax. I checked it at the area of the 20M phone band where I work and adjusted it to a 1:1 SWR. I now can work 40, 20, 17 , 15 , 12 and 10 on one antenna. The low SWR point on 17 is a little low in frequency but all other bands are great. 17 is fine with a inboard tuner if you have one. If you try this remember if you are adjusting for a good SWR setting on 20 and are inclined to use math to figure the length needed for adjustment that you will be adjusting a 80M antenna so if you think you need 4 inches of trim by ciphering it will be 16 in the real world.
>>
>> Rich ,KDØZZ , ☺
>>
>>
>>
>> from the middle of Missouri , out in the sticks with the hicks and the ticks.
>>
>>
>>
>>
>>
>>
>>
>>
>> Image removed by sender.
>>
>> <http://groups.yahoo.com/;_ylc=X3oDMTJlNDVqdW5pBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyNDU2NjIwOA--> Image removed by sender. Yahoo! Groups
>>
>> Switch to:
<mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional> Text-Only, <mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest> Daily Digest • <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe • <http://docs.yahoo.com/info/terms/> Terms of Use
>>

>> .
>>
>> Image removed by sender.
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
>
>

[Non-text portions of this message have been removed]

21490. Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 14:04:07 UTC
From: fred
Topic: 21480 Message: 21490

20/22 gauge is too small . I have used the 1/16 " lift cable for years .
the only problem I ever had is the connection point between the cable and the 450 ohm line
. have to clean it occasionaly and keep anti oxidation grease on it .
andrew
kd5pnt

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I have heard of using using steel galvanized 20 or 22 or similar for antenna wire?
>

21491. RE: [ham-antennas] anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 14:45:07 UTC
From: Richard Schmuke
Topic: 21480 Message: 21491

20ga would be OK for a 10M or 15M dipole but around here 17ga & 14ga is standard at all the farm supplies and hardware stores.

Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

Subject: [ham-antennas] anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

I have heard of using using steel galvanized 20 or 22 or similar for antenna wire?

[Non-text portions of this message have been removed]

21492. Re: [ham-antennas] anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 14:50:43 UTC
From: Joe
Topic: 21480 Message: 21492

Another option is Aluminum fence wire.

It's MUCH lighter and just as strong. I have had a 600 foot loop up for
going on four years made from the stuff now.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 12/23/2011 7:05 AM, Ron Youvan wrote:
> kj6ddf wrote:
>
>> I have heard of using using steel galvanized 20 or 22 or similar for antenna wire?
> And I tried it, (electric fence wire) it worked fine. The thin electroplated zinc plating
was
> damaged on the top by atmospheric electrical energy* way too early. If it had a plastic
coating it
> might be practical. It was very hard to see up 30'.
> * from nearby thunderstorms
>
> The very thinnest stainless steel wire or cable (stranded) should overcome such problems,
but the
> strength of solid wire depends on the type of stainless steel it is made of.

[Non-text portions of this message have been removed]

21493. Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 15:03:42 UTC
From: w0szv
Topic: 21480 Message: 21493

I have 2 antennas made from 14 ga gavanized steel electric fence wire. costs $48.00 for a half mile long roll of the stuff. Both my antennas have been up now for 3 years here in missouti and no problems with them yet. My loop is 1200ft long supported by 5 55ft towers located around the 6 acres i have. the long wire is 375 ft long with no center support. the towere are approximately 220 feet apart. no broken wire after 3 years . have worked all states on 20m,40m and lack AK on 80,.23 different DX countrys. I would say use the electric fence wire.
Eldon
w0szv

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I have heard of using using steel galvanized 20 or 22 or similar for antenna wire?
>

21494. Coax for Loop antennas V factor etc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 15:11:05 UTC
From: ko1h
Topic: 21494 Message: 21494

Hi all Well decided I would try a :Loop antenna as per my previous post. Now I need some input on Velosity Factor.
If I make the loop out of Rg-174 or RG-58 etc. How do I configure it to take advantage of the Vfactor for making it electrially longer than it physically is? Do I just use the center conductor? Do I short it at one end? Do I short both ends?

Help an old man out...

de J ohn ko1h

[Non-text portions of this message have been removed]

21495. Re: Coax for Loop antennas V factor etc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 16:07:25 UTC
From: Ashton
Topic: 21494 Message: 21495

I think most people would make the loop out of standard antenna wire. One reason to do so would be to reduce the weight aloft and the resultant sagging.

--- In ham-antennas@yahoogroups.com, "ko1h" <ko1h@...> wrote:
>
> Hi all Well decided I would try a :Loop antenna as per my previous post. Now I need some input on Velosity Factor.
> If I make the loop out of Rg-174 or RG-58 etc. How do I configure it to take advantage of the Vfactor for making it electrially longer than it physically is? Do I just use the center conductor? Do I short it at one end? Do I short both ends?
>
> Help an old man out...
>
> de J ohn ko1h
>
> [Non-text portions of this message have been removed]
>

21496. Re: [ham-antennas] v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 16:45:20 UTC
From: Dave
Topic: 21476 Message: 21496

Love my v beam. At 30 feet at center. Legs are 133 ft long up at 40 ft attached to trees. Angle at v is 45 degrees great local and DX. 2db gain on 80 and up to 8db on 10 mtrs. Fed by twinlead.

Sent from my awesome iPhone 4S

On Dec 22, 2011, at 8:45 PM, "fly_ul" <fly_ul@...> wrote:

> Are v beam antennas effective? I have the real estate and the hardware to install some v beams. I have researched the internet and I get two answers, either they are great or they are terrible?
>
> Can someone tell me the reason they are bad or good?
>
> WO4R
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21497. Re: v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 17:30:06 UTC
From: fly_ul
Topic: 21476 Message: 21497

I plan to build the antenna in the April 2011 QST with a few changes.
The antenna will have 4 120 foot legs 45 degrees apart. It will be 44 feet at the center and 11 feet high at the ends. It is switched to change the direction. According to the article it should cover the world. I plan to use it on 20 - 10 meters for dx.

Do you think this will work?

WO4R

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> At what frequency and how high in the air.are you considering?
> Interested in working DX or just having a bigger signal on the local
> NET, etc.? Proper design (length , apex angle and height above ground
> are all important). Based on the available space and trees, it is worth
> modeling your situation to see if the pattern does what you want
>
> Many folks throw up a couple of hundred feet of wire at modest heights (
> say 35-40 feet) and are disappointed that it doesn't give them 3 s-units
> of gain on 80M when working Europe., an unrealistic expectation given
> the height in my example...
>
> Dave
> NR1DX
>
>
>
>
>
>
>
> On 12/22/2011 7:45 PM, fly_ul wrote:
> >
> > Are v beam antennas effective? I have the real estate and the hardware
> > to install some v beams. I have researched the internet and I get two
> > answers, either they are great or they are terrible?
> >
> > Can someone tell me the reason they are bad or good?
> >
> > WO4R
> >
> >
>
> --
> Dave& Lynn Henderson
> Manuals@...

> www.Artekmedia.com
> PO Box 175
> Welch,MN 55089
>
>
>
> [Non-text portions of this message have been removed]
>

21498. RE: [ham-antennas] Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 18:21:41 UTC
From: Richard Schmuke
Topic: 21452 Message: 21498

The ARRL antenna book is good reference. If money is tight you can always wait until the next hamfest and pick up a used one for a few dollars. The basics never change, I have some ARRL antenna handbooks for the 1970's and the math and basic information is the same as today's book for a whole lot more.

In the meantime read all the links at http://www.ac6v.com/antprojects.htm, you can print out information on what you like and make your own antenna book. It might take a day or two over the Christmas holidays to read all of his links but I am sure there will be a few you like and the price is right. Also see http://members.fortunecity.com/xe1bef/

This is how I keep a reference for myself , that way when I go to build I have it in front of me. When you get my age you forget what you wanted to build, so the book helps.

http://i1102.photobucket.com/albums/g453/KD0ZZ/Book1.jpg

http://i1102.photobucket.com/albums/g453/KD0ZZ/Book2.jpg

http://i1102.photobucket.com/albums/g453/KD0ZZ/Book3.jpg

Rich ,KDØZZ , ☺

The likelyhood of damage to a component is inversely proportional to the number you have available, and directly proportional to its cost.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Memwl
Sent: Friday, December 23, 2011 8:01 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Antenna(no tune)

Thanks, I was wanting to build something, I got the Wire Antenna Bug,
so I will be getting that Arrl Antenna Book, I have read
a lot of chapters from it bit don't own a copy due to financial reasons, (which are getting better now)
I asked for advice in order to keep from making common mistakes(cheating)
That someone else may have found, I think I have enough Ammo to do it.
So I will be getting busy after Christmas, will have it up before New Years
I will try the 40-10 meter first, then lengthen it later for 80
73
Ke7sbe

>_____
> From: "kd8dvy@... <mailto:kd8dvy%40ymail.com> " <lilhawk236@... <mailto:lilhawk236%40gmail.com> >
>To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>Sent: Thursday, December 22, 2011 9:11 PM
>Subject: [ham-antennas] Re: Antenna(no tune)
>

>
>
>Mike,
>
>You did not mention what you are trying to work. Are you trying to work DX, contest, or just make contacts?
>
>If this is just a temp situation I was use a small homebrew G5RV. 33' feed with 33' of ladder line.
>
>Harold/KD8DVY
>
>--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> , "Richard Schmuke" <rdj@...> wrote:
>>
>>
>>
>>
>>
>> --- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com> <mailto:ham-antennas%40yahoogroups.com> , Memwl <modkulla@> wrote:
>> >
>> > What is the "best"(ohh ohh) Antenna for
>> > "Low Height" I can go 25 feet at the most where I am located
>> > I know this wont be the most efficient but do what I gotta do
>> > I want to try a no tune loop, Ok
>> > I will use coax to ladder line to Loop
>> > I want to use this on 10 and 20 meters.
>> > I thought about off center fed dipole type, but I really want more omni
>> > pattern, I am still a greenhorn but fast learner due to experience or should I say
>> > My mistakes which translates to the same thing.
>> > I want this kind of portable as I will be relocating soon
>> > to a place I can put up anything I want to,
>> > For the lighter side of Ham radio
>> >
>> >
>> > YL says to leave a path free of wire to access the back yard
>> > after we move, she has no problem with the wires otherwise.
>> >
>> > 73
>> > Mike
>> > ke7sbe
>> >
>> Mike , one small question, what size loop can you put up?
>>
>> I have a “No Tune” loop that works 40 thru 10. It is a little different. Here is how I made it. I put up a 80M size delta loop. I feed it with coax and have a 4:1 balun at the apex. The apex is about 40ft and the other two points are about 25ft. I used pulleys and rope at all points for quick adjustment. It is spliced in the middle with a split bolt. A 80m loop is a 100 ohm antenna but when operated on a multiple frequency it is a 200 ohm antenna so a 4:1 balun matches it to 50 ohm coax. I checked it at the area of the 20M phone band where I work and adjusted it to a 1:1 SWR. I now can work 40, 20, 17 , 15 , 12 and 10 on one antenna. The low SWR point on 17 is a little low in frequency but all other bands are

great. 17 is fine with a inboard tuner if you have one. If you try this remember if you are adjusting for a good SWR setting on 20 and are inclined to use math to figure the length needed for adjustment that you will be adjusting a 80M antenna so if you think you need 4 inches of trim by ciphering it will be 16 in the real world.
>>
>> Rich ,KDØZZ , ☺
>>
>>
>>
>> from the middle of Missouri , out in the sticks with the hicks and the ticks.
>>
>>
>>
>>
>>
>>
>>
>> Image removed by sender.
>>
>> <http://groups.yahoo.com/;_ylc=X3oDMTJlNDVqdW5pBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyNDU2NjIwOA--> Image removed by sender. Yahoo! Groups
>>
>> Switch to: <mailto:ham-antennas-traditional@yahoogroups.com <mailto:ham-antennas-traditional%40yahoogroups.com> ?subject=Change%20Delivery%20Format:%20Traditional> Text-Only, <mailto:ham-antennas-digest@yahoogroups.com <mailto:ham-antennas-digest%40yahoogroups.com> ?subject=Email%20Delivery:%20Digest> Daily Digest • <mailto:ham-antennas-unsubscribe@yahoogroups.com <mailto:ham-antennas-unsubscribe%40yahoogroups.com> ?subject=Unsubscribe> Unsubscribe • <http://docs.yahoo.com/info/terms/> Terms of Use
>>
>> .
>>
>> Image removed by sender.
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21499. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 18:47:15 UTC
From: Ken
Topic: 21480 Message: 21499

For those of you using or considering using non copper wire for antennas, don't forget the "skin effect" at RF. At HF frequencies, the current flows on the very outside of the conductor. A 14ga wire has the same effective resistance as a much smaller conductor and therefore higher resistive losses. When you go to a non copper conductor, the skin resistance (and resistive losses) is even higher.

Does it make a real difference? I don't know the numbers, but I would imagine there will be some measurable losses. Personally I'll stick to copper for the slight additional cost.

Ken WA8JXM

21500. Re: [ham-antennas] v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 19:03:03 UTC
From: Ken
Topic: 21476 Message: 21500

On Dec 23, 2011, at 11:45 AM, Dave wrote:

> Love my v beam. At 30 feet at center. Legs are 133 ft long up at 40 ft attached to trees. Angle at v is 45 degrees great local and DX. 2db gain on 80 and up to 8db on 10 mtrs. Fed by twinlead.

Those numbers are not supported by the ARRL Antenna Book.

On 20m, the legs are 1 wavelength, which at the optimum angle (100 degrees) will give you 3db of gain. On 10m, it's two wavelengths and 70 degrees will give you a hair over 4 db of gain.

"Gain" on 80m? I don't think so.

Don't forget, there is no free lunch with "gain". A beam only gets gain in one direction from stealing it from other directions. So unless you have a fixed direction that's important, you need a rotator or you will lose as much (in most directions) as you gain in one direction.

Ken WA8JXM

[Non-text portions of this message have been removed]

21501. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 19:03:57 UTC
From: Todd F. Carney
Topic: 21480 Message: 21501

*Aluminum is an excellent choice. I started a similar thread a few weeks ago (in this group?) and I was informed that aluminum fence wire works very well. It won't corrode (at least not up in the air). Aluminum is actually a better conductor that copper, isn't it? Here's the best part: it's only $5 for a roll of 500 feet at Home Depot. I'm sure any place that sells Home Depot-y stuff would have it pretty cheap, too.

There are some solders (and brazing materials) that will join copper to aluminum, but the best bet might be to crimp or clamp the wire to your feed line.

*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Fri, Dec 23, 2011 at 10:47 AM, Ken <wa8jxm@...> wrote:

> **
>
>
> For those of you using or considering using non copper wire for antennas,
> don't forget the "skin effect" at RF. At HF frequencies, the current flows
> on the very outside of the conductor. A 14ga wire has the same effective
> resistance as a much smaller conductor and therefore higher resistive
> losses. When you go to a non copper conductor, the skin resistance (and
> resistive losses) is even higher.
>
> Does it make a real difference? I don't know the numbers, but I would
> imagine there will be some measurable losses. Personally I'll stick to
> copper for the slight additional cost.
>
> Ken WA8JXM
>
>

[Non-text portions of this message have been removed]

21502. AW: [ham-antennas] Greetings all new to group old to antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 19:04:47 UTC
From: siegfried.jackstien
Topic: 21481 Message: 21502

If you have room for a topband loop ... why not try it
I love my loop
Very quiet in receive (low noise)
Fed with ladderline also good on the other bands

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von ko1h
> Gesendet: Freitag, 23. Dezember 2011 06:29
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Greetings all new to group old to antennas
>
>
>
> HI All, Im new to the group but Ive been building antennas for almost 40
> years. Im currently pondering about two antenna posibilites. I have a
> Windom across the front tree''s of my very small lot that is not working
> as it used to. Its primary use had been to cover warc bands and as a
> General use antenna for my upstairs stations. (main Station in office in
> basement SO2R etc) Upstairs station for casual dxing while watching my
> son. (5 yo now in kindegarten)
>
> Considering the following to either replace the Windom with another,
> replace it with a G5rv or install a double sized g5rv or 160m dipole fed
> with twin lead(The larger antenna would have a configuration something
> like this.
>
> A 60ft section center or off center fed at apx 35ft in the front broad
> side e/w with the two legs bent 90 degree for another apx 60ft sloping
> down to about 20ft wiht the remainder of the antenna being bent in again
> paralell to the front wire again at apx 20ft.
>
> Not quite sure if I should leave it a doublet or turn it into a loop?
>
> Not sure if its worth the trouble. I have other 160m antennas.
>
> Sugggestions?
>
> Just to give you an idea of what else I have:
>
> Here is the current atnenna line up:
>

> 2 element quad 10-15-20m
> 4 element tribander fixed south (currently down but to be reinstalled in
> spring)
> 2 element vertical phased array on 40m
> 80m center loaded gladiator
> Ma160 Top loaded vertical
> 40-80-160m loaded dipole
> Dxa sloper
> 60m dipole
> 10m delta loop
> 10-12-15-17-20 vertical dipoles
> 30m vertical dipole
> 30-17-12 m invertred v fan dipole
>
> Inductivly loaded 160m Inverted L with loaded elevated radials
>
> 4 elements on 6m
> 13 elements on 2m
> 25 elements on 432
> 10 elements on 220
>
> Fm Verticals
>
> Lets see what the opions are detween Windom, G5 or bent dipole or loop?
>
> thanks es 73 de John ko1h
> '
>
> [Non-text portions of this message have been removed]
>
>
>
>

21503. AW: [ham-antennas] Coax for Loop antennas V factor etc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 19:06:17 UTC
From: siegfried.jackstien
Topic: 21494 Message: 21503

V= around 0.95 ... like any insulated wire

So it is NOT 0.66 !!!

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von ko1h
> Gesendet: Freitag, 23. Dezember 2011 15:11
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Coax for Loop antennas V factor etc
>
>
>
> Hi all Well decided I would try a :Loop antenna as per my previous post.
> Now I need some input on Velosity Factor.
> If I make the loop out of Rg-174 or RG-58 etc. How do I configure it to
> take advantage of the Vfactor for making it electrially longer than it
> physically is? Do I just use the center conductor? Do I short it at one
> end? Do I short both ends?
>
> Help an old man out...
>
> de J ohn ko1h
>
> [Non-text portions of this message have been removed]
>
>
>
>

21504. Re: [ham-antennas] Re: Antenna(no tune)

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 19:08:09 UTC
From: Ken
Topic: 21452 Message: 21504

On Dec 23, 2011, at 1:21 PM, Richard Schmuke wrote:

> The basics never change, I have some ARRL antenna handbooks for the 1970’s and the math and basic information is the same as today’s book for a whole lot more.

I definitely agree! I grab my 1964 copy of the Antenna Book a lot more often than the newer one. It's much easier to find things in the older one but then off course, it's been well read over the past 48 years :)

As you said, the basics don't change.

Ken WA8JXM

21505. AW: [ham-antennas] 5/8 wave mobile antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 19:12:40 UTC
From: siegfried.jackstien
Topic: 21473 Message: 21505

Why 5/8th ??? there are several other designs that perform equally or better

I have a dualbander that is 1/2 wave on 2m and 2x 5/8 on 70

Works really good even without any car under it (radialless so to speak) or
on a magnet mount ...

5/8 is made electrically longer with a coil to 3/4 ... and so there has to
be a good ground under the antenna (high current point)

So in some cases there are really better designs than the 5/8th

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von standin8
> Gesendet: Freitag, 23. Dezember 2011 00:02
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 5/8 wave mobile antenna
>
>
>
> hey dose nyone one know where i can get or make a 5/8th wave mobile wip?
> Im runing only 25watts pep & I need all the help I can get or how about a
> 5/8th wave wire antenna?
> Ka0mek martin
>
>
>
>

21506. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 19:37:37 UTC
From: Ron Youvan
Topic: 21480 Message: 21506

Mr. Todd F. KF7SIS Carney wrote:

> *Aluminum is an excellent choice. I started a similar thread a few weeks
> ago (in this group?) and I was informed that aluminum fence wire works very
> well. It won't corrode (at least not up in the air). Aluminum is actually a
> better conductor that copper, isn't it? *NO! 1 = silver 2 = copper 3 = alum.*
> Here's the best part: it's only $5
> for a roll of 500 feet at Home Depot. I'm sure any place that sells Home
> Depot-y stuff would have it pretty cheap, too.

> There are some solders (and brazing materials) that will join copper to
> aluminum, but the best bet might be to crimp or clamp the wire to your feed
> line.

Use Anti-Ox at all connections.
Let it kink and it will be splice time. (lineman's knot)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21507. RE: [ham-antennas] Coax for Loop antennas V factor etc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 20:05:00 UTC
From: Richard Schmuke
Topic: 21494 Message: 21507

RG-58 is 0.66 as coax but if using the ground/ shield then it would be about0.95 but why use coax unless it is free, wire is much cheaper and better. IMHO

Rich/ Kd0zz

Subject: AW: [ham-antennas] Coax for Loop antennas V factor etc

V= around 0.95 ... like any insulated wire

So it is NOT 0.66 !!!

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> Auftrag von ko1h
> Gesendet: Freitag, 23. Dezember 2011 15:11
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] Coax for Loop antennas V factor etc
>
>
>
> Hi all Well decided I would try a :Loop antenna as per my previous post.
> Now I need some input on Velosity Factor.
> If I make the loop out of Rg-174 or RG-58 etc. How do I configure it to
> take advantage of the Vfactor for making it electrially longer than it
> physically is? Do I just use the center conductor? Do I short it at one
> end? Do I short both ends?
>
> Help an old man out...
>
> de J ohn ko1h
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

21508. RE: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 20:19:25 UTC
From: Richard Schmuke
Topic: 21480 Message: 21508

Todd, 500ft for about $5, I have never seen it there , just what area do you find it, it is not on their web site.
Alum does not conduct as well as copper but is cheaper.
Rich , kd0zz

*Aluminum is an excellent choice. I started a similar thread a few weeks ago (in this group?) and I was informed that aluminum fence wire works very well. It won't corrode (at least not up in the air). Aluminum is actually a better conductor that copper, isn't it? Here's the best part: it's only $5 for a roll of 500 feet at Home Depot. I'm sure any place that sells Home Depot-y stuff would have it pretty cheap, too.

There are some solders (and brazing materials) that will join copper to aluminum, but the best bet might be to crimp or clamp the wire to your feed line.

/

21509. Help with beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 21:05:24 UTC
From: Dwayne
Topic: 21509 Message: 21509

Hello All,

This is my first post to the group, and hopefully I will not dork it up.

I have always used wire antennas up to this point. But recently I was given a beam antenna.

It is a Hy-Gain TH-4 best I can tell. Did not get paper work with it.

Did get the manual on line for the TH-4. (looks the closet to what I have)

Here is my problem.

When I set up the beam at four feet off the ground, I can get the SWR perfect for the three bands, (10/15/20)

using an antenna analyzer.

However, when I put it up at 15 feet to test it for a week, SWR changes to no good. Back at four feet they are great.

I know height above ground makes some difference, just not sure how to make the adjustments before it goes up.

Any help is appreciated.

73, KQ4XF

Dwayne

[Non-text portions of this message have been removed]

21510. Re: [ham-antennas] Help with beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 21:13:10 UTC
From: Larry Banks
Topic: 21509 Message: 21510

Good question! One thing you can try -- point it straight up in the air when adjusting at 4'. It will lessen ground effects.

73 -- Larry -- W1DYJ

----- Original Message -----
From: Dwayne
To: ham-antennas@yahoogroups.com
Sent: Friday, December 23, 2011 4:05 PM
Subject: [ham-antennas] Help with beam antenna

Hello All,

This is my first post to the group, and hopefully I will not dork it up.

I have always used wire antennas up to this point. But recently I was given a beam antenna.

It is a Hy-Gain TH-4 best I can tell. Did not get paper work with it.

Did get the manual on line for the TH-4. (looks the closet to what I have)

Here is my problem.

When I set up the beam at four feet off the ground, I can get the SWR perfect for the three bands, (10/15/20)

using an antenna analyzer.

However, when I put it up at 15 feet to test it for a week, SWR changes to no good. Back at four feet they are great.

I know height above ground makes some difference, just not sure how to make the adjustments before it goes up.

Any help is appreciated.

73, KQ4XF

Dwayne

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21511. Re: [ham-antennas] Help with beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 21:21:20 UTC
From: Ron Youvan
Topic: 21509 Message: 21511

Dwayne KQ4XF wrote:

/*snip*/
> When I set up the beam at four feet off the ground, I can get the SWR
> perfect for the three bands, (10/15/20)

> using an antenna analyzer.

> However, when I put it up at 15 feet to test it for a week, SWR changes to
> no good. Back at four feet they are great.

> I know height above ground makes some difference, just not sure how to make
> the adjustments before it goes up.

> Any help is appreciated.

The "ground" (dirt) is absorbing the antenna analyzer's power like a resistor.
The antenna is not in tune, when it is up 15 feet which way was is it off, it could be either way.
Start by pointing it up with as much space under the reflector as possible and tune it.
Then put it up as high as you can test it and note the direction of error, drop and tweak.
You are a quarter the way done already. Good post!
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21512. Re: [ham-antennas] Help with beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 22:09:28 UTC
From: Ken
Topic: 21509 Message: 21512

Dwayne,

height above ground does NOT make SOME difference, it makes a BIG difference. especially when it is that low!

The ideas others have provided (point it up and get it as high as possible) will help some but the best way is to get it up to working height, and figure out where the lowest SWR is. If it's at 14.350 and you want it at 14.200, then you have to adjust the 20m element 150 kHz. Then put it back up at your working height and see what it looks like. And so forth.

Good luck,

Ken WA8JXM

On Dec 23, 2011, at 4:05 PM, Dwayne wrote:

> Here is my problem.
>
>
>
> When I set up the beam at four feet off the ground, I can get the SWR
> perfect for the three bands, (10/15/20)
>
> using an antenna analyzer.
>
> However, when I put it up at 15 feet to test it for a week, SWR changes to
> no good. Back at four feet they are great.
>
>
>
> I know height above ground makes some difference, just not sure how to make
> the adjustments before it goes up.

21513. Re: v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 22:16:23 UTC
From: fly_ul
Topic: 21476 Message: 21513

> On Dec 23, 2011, at 11:45 AM, Dave wrote:
>
> > Love my v beam. At 30 feet at center. Legs are 133 ft long up at 40 ft attached to trees. Angle at v is 45 degrees great local and DX. 2db gain on 80 and up to 8db on 10 mtrs. Fed by twinlead.
>
> Those numbers are not supported by the ARRL Antenna Book.
>
My antenna handbook barely mentions v beams so if you have design info could you share it here.

Thanks

WO4R Jeff

21514. Re: [ham-antennas] Re: v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 22:54:31 UTC
From: Ken
Topic: 21476 Message: 21514

Jeff,

I find my 10th edition of the ARRL Antenna Book has more basic fundamentals than the newer editions. I'll see if I can email you a scan of those pages.

Ken WA8JXM

On Dec 23, 2011, at 5:16 PM, fly_ul wrote:

>>
>> On Dec 23, 2011, at 11:45 AM, Dave wrote:
>>
>>> Love my v beam. At 30 feet at center. Legs are 133 ft long up at 40 ft attached to trees. Angle at v is 45 degrees great local and DX. 2db gain on 80 and up to 8db on 10 mtrs. Fed by twinlead.
>>
>> Those numbers are not supported by the ARRL Antenna Book.
>>
> My antenna handbook barely mentions v beams so if you have design info could you share it here.
>
> Thanks
>
> WO4R Jeff

21515. Re: [ham-antennas] Coax for Loop antennas V factor etc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 23:33:40 UTC
From: Richard
Topic: 21494 Message: 21515

On Fri, 23 Dec 2011 14:05:00 -0600
"Richard Schmuke" <rdj@...> wrote:

> RG-58 is 0.66 as coax but if using the ground/ shield then it would be
> about0.95 but why use coax unless it is free, wire is much cheaper and
> better. IMHO
>
> Rich/ Kd0zz
>
> Subject: AW: [ham-antennas] Coax for Loop antennas V factor etc
>
>
>
>
>
> V= around 0.95 ... like any insulated wire
>
> So it is NOT 0.66 !!!
>
> Dg9bfc
> Sigi
>
>
I didn't see what band you were thinking of, or whether you where thinking of a long wire loop or a
magnetic loop.
RG174 is not strong enough to support its own weight on an long unsupported run.
If you where considering a magnetic loop, for the lower bands the diameter of the conductor starts to
become very important.
If that was your intention to build a mag loop, find one of the Hams with large VHF/UHF arrays and
enquire if the know of any water damaged 1/2" heliax/hardline. These guys have normally got their ears
to the ground where there are sources of 1/2" hard line.
The reason I say water damaged is that PTFE foam coax is pretty useless once water gets in, and is most
times thrown out. Cell phone sites will have regular maintenance, which sometimes makes some available.

It makes great low band mag loops ,bends easily into shape and you can join it with low cost 1/2"
plumbing fittings, you only use the outer corrugated braid, so water damage doesn't matter.
I use a 16' dia mag loop made from LDF4-50 on 80 mtrs and 160 mtrs, and requires minimal mechanical

support.
Now I've probably confused the hell outa you all.

--
Happy Christmas and a Happy New Year

Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
##

21516. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 23:38:30 UTC
From: Ron Youvan
Topic: 21480 Message: 21516

Mr. Todd F. Carney wrote:

> *Aluminum is an excellent choice. I started a similar thread a few weeks
> ago (in this group?) and I was informed that aluminum fence wire works very
> well. It won't corrode (at least not up in the air). Aluminum is actually a
> better conductor that copper, isn't it? Here's the best part: it's only $5
> for a roll of 500 feet at Home Depot. I'm sure any place that sells Home
> Depot-y stuff would have it pretty cheap, too.

> There are some solders (and brazing materials) that will join copper to
> aluminum, but the best bet might be to crimp or clamp the wire to your feed
> line.

Lowes and home depot seem to have the worlds worst web sites. These web sites fail to indicate
the materials used and the thickness, insulation materials used and the thickness is also neglected
similarly.
At homedepot.com I found: "OOK 50 ft. Aluminum Hobby Wire Model # 50176
Internet # 100192917 Store SKU # 396300 Store SO SKU # 285742" with no mention of wire thickness.
BTW: 50 feet is $3.48 and:

"FARMGARD 1/4 Mile 17-Gauge Galvanized Electric Fence Wire Model # 317754A Internet # 100322493"
is: $13.85 (1,400+ feet)
This is about $5 for 500 feet. This is Galvanized Steel Fence Wire.

I could not find any `aluminum electric fence wire' at: homedepot.com
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21517. Re: [ham-antennas] Coax for Loop antennas V factor etc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-23 23:52:24 UTC
From: ko1h
Topic: 21494 Message: 21517

Thanks Richard I will keep that in mind for a Mag loop. But I was considering a regular loop. My inclings have been confirmed. Thanks all for the V Factor clear up. It had been bothering me for many years.

de John ko1h

----- Original Message -----
From: Richard
To: ham-antennas@yahoogroups.com
Sent: Friday, December 23, 2011 11:33 PM
Subject: Re: [ham-antennas] Coax for Loop antennas V factor etc

On Fri, 23 Dec 2011 14:05:00 -0600
"Richard Schmuke" <rdj@...> wrote:

> RG-58 is 0.66 as coax but if using the ground/ shield then it would be
> about0.95 but why use coax unless it is free, wire is much cheaper and
> better. IMHO
>
> Rich/ Kd0zz
>
> Subject: AW: [ham-antennas] Coax for Loop antennas V factor etc
>
>
>
>
>
> V= around 0.95 ... like any insulated wire
>
> So it is NOT 0.66 !!!
>
> Dg9bfc
> Sigi
>
>
I didn't see what band you were thinking of, or whether you where thinking of a long wire loop or a
magnetic loop.
RG174 is not strong enough to support its own weight on an long unsupported run.
If you where considering a magnetic loop, for the lower bands the diameter of the conductor starts to
become very important.
If that was your intention to build a mag loop, find one of the Hams with large VHF/UHF arrays and
enquire if the know of any water damaged 1/2" heliax/hardline. These guys have normally got their ears

to the ground where there are sources of 1/2" hard line.
The reason I say water damaged is that PTFE foam coax is pretty useless once water gets in, and is most
times thrown out. Cell phone sites will have regular maintenance, which sometimes makes some available.

It makes great low band mag loops ,bends easily into shape and you can join it with low cost 1/2"
plumbing fittings, you only use the outer corrugated braid, so water damage doesn't matter.
I use a 16' dia mag loop made from LDF4-50 on 80 mtrs and 160 mtrs, and requires minimal mechanical
support.
Now I've probably confused the hell outa you all.

--
Happy Christmas and a Happy New Year

Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
##

[Non-text portions of this message have been removed]

21518. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 01:13:02 UTC
From: Todd F. Carney
Topic: 21480 Message: 21518

*Rich,

Here's a shortened link to the Home Depot page I found it on.

http://bit.ly/tE40DU
*
I was wrong about the length---it's actually 250'. I had trouble finding it
on the HD site just now as well. I thought I was losing my mind until I
went back to the thread (starting with message #*21306*) on this group
started on the 14th. I don't know how I found it at HD before, but anyway
take a look at it.

Happy Holidays,

Todd

*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%2
0k%20%20%20%20%5E>/
Medford, Oregon / (541)
951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Fri, Dec 23, 2011 at 12:19 PM, Richard Schmuke <rdj@...> wrote:

> **
>
>
> Todd, 500ft for about $5, I have never seen it there , just what area do
> you
> find it, it is not on their web site.
> Alum does not conduct as well as copper but is cheaper.
> Rich , kd0zz
>
> *Aluminum is an excellent choice. I started a similar thread a few weeks
>
> ago (in this group?) and I was informed that aluminum fence wire works very
> well. It won't corrode (at least not up in the air). Aluminum is actually a
> better conductor that copper, isn't it? Here's the best part: it's only $5

> for a roll of 500 feet at Home Depot. I'm sure any place that sells Home
> Depot-y stuff would have it pretty cheap, too.
>
> There are some solders (and brazing materials) that will join copper to
> aluminum, but the best bet might be to crimp or clamp the wire to your feed
> line.
>
> /
>
>
>

[Non-text portions of this message have been removed]

21519. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 01:21:42 UTC
From: Joe
Topic: 21480 Message: 21519

Try far supply places.

Mine is like the 17 ga and is made for tension on it. It is made to be
pulled tight.

Last storm it did not break it broke a 4" diameter branch the rope was
going over!

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 12/23/2011 5:38 PM, Ron Youvan wrote:
> Mr. Todd F. Carney wrote:
>
>> *Aluminum is an excellent choice. I started a similar thread a few weeks
>> ago (in this group?) and I was informed that aluminum fence wire works very
>> well. It won't corrode (at least not up in the air). Aluminum is actually a
>> better conductor that copper, isn't it? Here's the best part: it's only $5
>> for a roll of 500 feet at Home Depot. I'm sure any place that sells Home
>> Depot-y stuff would have it pretty cheap, too.
>> There are some solders (and brazing materials) that will join copper to
>> aluminum, but the best bet might be to crimp or clamp the wire to your feed
>> line.
> Lowes and home depot seem to have the worlds worst web sites. These web sites fail to
indicate
> the materials used and the thickness, insulation materials used and the thickness is also
neglected
> similarly.
> At homedepot.com I found: "OOK 50 ft. Aluminum Hobby Wire Model # 50176
> Internet # 100192917 Store SKU # 396300 Store SO SKU # 285742" with no mention of wire
thickness.
> BTW: 50 feet is $3.48 and:
>
> "FARMGARD 1/4 Mile 17-Gauge Galvanized Electric Fence Wire Model # 317754A Internet #
100322493"
> is: $13.85 (1,400+ feet)
> This is about $5 for 500 feet. This is Galvanized Steel Fence Wire.
>
> I could not find any `aluminum electric fence wire' at: homedepot.com

[Non-text portions of this message have been removed]

21520. Re: 5/8 wave mobile antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 01:30:44 UTC
From: standin8
Topic: 21473 Message: 21520

no I have a vhf one I want one for 10 meters

--- In ham-antennas@yahoogroups.com, "standin8" <standin8@...> wrote:
>
> hey dose nyone one know where i can get or make a 5/8th wave mobile wip? Im runing only 25watts pep & I need all the help I can get or how about a 5/8th wave wire antenna?
> Ka0mek martin
>

21521. Re: [ham-antennas] Re: v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 01:44:05 UTC
From: Don Sanders
Topic: 21476 Message: 21521

Acording to the ON4UN low band dx book the galvanised wire has an RF resiastance much greater than copper or copperclad steel wire. It will drop the antenna efficiency to about 88%. Lets see, 88% vs 1 % for no antenna is a significant improvement. That is way improved over the proverbial "wet string". And if you can save enough to take the wife out to dinner and theatre you are 1000% improvement.
Dr Don HC4/W4BWS
On Fri, Dec 23, 2011 at 5:54 PM, Ken <wa8jxm@...> wrote:

> **
>
>
> Jeff,
>
> I find my 10th edition of the ARRL Antenna Book has more basic
> fundamentals than the newer editions. I'll see if I can email you a scan of
> those pages.
>
> Ken WA8JXM
>
>
> On Dec 23, 2011, at 5:16 PM, fly_ul wrote:
>
> >>
> >> On Dec 23, 2011, at 11:45 AM, Dave wrote:
> >>
> >>> Love my v beam. At 30 feet at center. Legs are 133 ft long up at 40 ft
> attached to trees. Angle at v is 45 degrees great local and DX. 2db gain on
> 80 and up to 8db on 10 mtrs. Fed by twinlead.
> >>
> >> Those numbers are not supported by the ARRL Antenna Book.
> >>
> > My antenna handbook barely mentions v beams so if you have design info
> could you share it here.
> >
> > Thanks
> >
> > WO4R Jeff
>
>
>

[Non-text portions of this message have been removed]

21522. Re: v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 01:52:56 UTC
From: w9swt
Topic: 21476 Message: 21522

I agree with Dave.

I just finished making one in time for the 10m contest: monoband, swr less than 1.2:1. I made 25 dx contacts, which include eastern Europe. I ran a Yaesu FT-857D portable. So I have to say they're great.

There's a picture on QRZ under my call sign.

Steve, W9SWT
--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
>
> At what frequency and how high in the air.are you considering?
> Interested in working DX or just having a bigger signal on the local
> NET, etc.? Proper design (length , apex angle and height above ground
> are all important). Based on the available space and trees, it is worth
> modeling your situation to see if the pattern does what you want
>
> Many folks throw up a couple of hundred feet of wire at modest heights (
> say 35-40 feet) and are disappointed that it doesn't give them 3 s-units
> of gain on 80M when working Europe., an unrealistic expectation given
> the height in my example...
>
> Dave
> NR1DX

21523. Update on my 2 WL 160M Loop Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 01:55:57 UTC
From: goldtr8@charter.net
Topic: 21523 Message: 21523

First Merry Christmas to everyone!

Gents,

I am now with 2 days of playing with the 2 WL loop in comparison to my dipole. I finally had the chance this week to add the additioinal 250 FT to my loop to get it to 2 WL.

I wish to thank everyone who gave me support and insight analizing data from my first attempts with the loop low to the ground, then with the spud gun to get the wire re-run and finally now a correct length.

I am hearing stuff with the loop that is totally in the noise with the dipole. Second I have made some DX contacts to HI from MI on 20M to a portable that I gave a 5x2 signal report that I could not hear with the dipole. Plus he gave me a 59 with his portable set up. To me working someone with a compromise temporary antenna is pretty neat, as I usually consider myself the guy with a compromized antenna.

I was able to work 160m last night as the tuner was able to get a match and I was heard in NY from MI running only 100W. I cant use the amp on 160m as the tuner is unhappy with any kind of power and the amp protects itself. Good thing the amp is smarter than me.

I have been playing on 80 and 40 and getting fantastic signal reports with this setup. On 80m guys running barefoot sound like they have amps turned on compared to the dipole.

I am also working lots of mobiles with this antenna as I can hear them now, where in the past I never seemed to work mobiles.

I still have some matching issues to deal with, as I am not sure if I have to modify the feed or I need a 4:1 balun instead of a 1:1 in order to get better matching for low SWR..

Anyway its up it works and I am extriemly pleased with the results so far.

Again thanks to all for your advice and encouragement.

~73
Don
KD8NNU

[Non-text portions of this message have been removed]

21524. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 02:07:24 UTC
From: Ken
Topic: 21480 Message: 21524

On Dec 23, 2011, at 6:38 PM, Ron Youvan wrote:

> I could not find any `aluminum electric fence wire' at: homedepot.com

You can find it at Tractor Supply or probably most farm supply stores.

http://www.tractorsupply.com/aluminum-electric-fence-wire-17-ga-1-4-mile-3600859
$20.

They also have 14ga. for $40

Ken WA8JXM

21525. RE: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 02:43:33 UTC
From: Richard Schmuke
Topic: 21480 Message: 21525

Thanks Todd, I am always trying a different antenna set up and this will be a cheap tool for experimenting with.
Rich , Kd0zz

*Rich,

Here's a shortened link to the Home Depot page I found it on.

http://bit.ly/tE40DU
*
I was wrong about the length---it's actually 250'. I had trouble finding it on the HD site just now as well. I thought I was losing my mind until I went back to the thread (starting with message #*21306*) on this group started on the 14th. I don't know how I found it at HD before, but anyway take a look at it.

Happy Holidays,

Todd

*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541)
951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Fri, Dec 23, 2011 at 12:19 PM, Richard Schmuke <rdj@...> wrote:

> **
>
>
> Todd, 500ft for about $5, I have never seen it there , just what area do
> you
> find it, it is not on their web site.
> Alum does not conduct as well as copper but is cheaper.
> Rich , kd0zz
>
> *Aluminum is an excellent choice. I started a similar thread a few weeks

>
> ago (in this group?) and I was informed that aluminum fence wire works
very
> well. It won't corrode (at least not up in the air). Aluminum is actually
a
> better conductor that copper, isn't it? Here's the best part: it's only $5
> for a roll of 500 feet at Home Depot. I'm sure any place that sells Home
> Depot-y stuff would have it pretty cheap, too.
>
> There are some solders (and brazing materials) that will join copper to
> aluminum, but the best bet might be to crimp or clamp the wire to your
feed
> line.
>
> /
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21526. are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 08:10:19 UTC
From: kj6ddf
Topic: 21526 Message: 21526

I wonder if anyone knows of anyone who still makes connectors- PL-259's in the USA?
Or perhaps Japan?

And as I understand it, even Amphenols connector are now made in China, as I understand it, it has something to do with EPA regulation, or I suppose what that means, EPA Made manufacturing so expensive, that they could not compete any more?

I asked my Coax supplier recently who uses genuine US made times microwave but the PL-259 connectors are made in Taiwan

Which is (I think) better than China, but that's an overall generational, it may be something made in China might be made very well? But I generally feel much better when I read made in Taiwan.
Still I'd like to find out if there is someone who makes them in the US or Japan
Steve

21527. Re: [ham-antennas] Re: TV set QRN

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 11:11:07 UTC
From: Stephen Bennett
Topic: 21413 Message: 21527

From: nickcarr3151 <nickcarr3151@yahoo.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 21, 2011 2:38 PM
Subject: [ham-antennas] Re: TV set QRN

Lan,

This might work for you. An online friend recommended it to another HAM and said it worked great for him.

http://www.21best.com/21_best/electronic/security/video/filters/for_sale_.html#CATV

Read the online instructions to make sure it'll work for you. I don't have any direct experience with this product.

PS. Try calling your cable provider first and complain. They might fix the problem for free.

--- In ham-antennas@yahoogroups.com, "Joe" <mf.50mf135@...> wrote:
>
> TV set (old CRT TV) causes noise for HF reception
> noise dissapears when I disconnect the coax cable from the TV
> the noise is present even the TV is off it seems the power supply still operates even TV is OFF.
>
>
> I tried ferrite chokes on the coax and on TV power cable in different quantity and different configurations. The only method to stop the noise is to diconnect the TV power cable or the coax from TV.
>
> Any ideas ?
>
>
> Thanks in advance
>
>
> Lan
>

[Non-text portions of this message have been removed]

21528. my first antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 11:38:54 UTC
From: kj6ddf
Topic: 21528 Message: 21528

Well I don't have it yet,

but I ordered a "store bought" 160 meter loop with 124 ft ladder line

the house has a tall roof, I used to climb trees when I was old enough to reach the lowest limb, perhaps 5 years old and later I was an Ironworker, and even if I shouldn't, because I have back and neck problems I climbed up onto the roof.
I was still scared, which showed my brain was working just fine.
I don't know if I'm up to putting the antenna up myself or not.

The top of the roof must be 30 or 35 ft high, there are several trees in the back yard that are possibly useful, but aren't very big trees. The wire is 14 ga with insulation, so it's probably on the heavy side.

If I only hung it from 4 points, I'd have to have strong trees or if I am able to use the top of the roof as two points for the front.

Maybe I can put more insulators, I might go over the top of the garage, and that would be an additional insulator and maybe if I added several more so there wouldn't be so much weight on the one in the back yard all the way in the back, north west side.

Then over to the other side of the back yard, or the north east corner, I'm not sure which tree, but there is a large red oak tree, and from there I'm not sure. When I first measured off the yard, it's roughly 120 ft x 110 ft, so I may have more antenna that yard, unless I spread it or fold it a bit, I'm told I can do that.

It's interesting, I get all sorts of advice from knowledgeable people, and I understand, (most of the time) what they are talking about, but when I go to talking about what they advised me to do, I can't say it very well.

Anyway, from the top of roof on the east side, the south east side, the ladder line will come down the side of the house, I'm not sure how it will work because of the length, but under the eaves keeping it away from metal, (that part I remember well from advice I was given) to the MJF window thru.

The yard and surrounding area has very tall trees, maybe 110 ft, mostly oaks and other deciduous trees. When I was a kid, all that mean to me was they "rained" leaves all year long and my dad wanted the leaves raked up every week, so I hated them, except to climb them.

But now I wish I had a few more in the right places in the yard. But there are some smaller ones, I wonder if I get it up about 30 or 35 feet will that be high enough?

thanks
steve

21529. Re: [ham-antennas] Coax for Loop antennas V factor etc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 13:08:59 UTC
From: doug pfaff
Topic: 21494 Message: 21529

hi sigi

Using the braid from coax for a ground connection would definatly negate the .66 factor when used as a coax feed line as commented by Richard.

VF factor is likely brand and cable type specific I looked up RG58U coax CU1117 for example from Carol Cable made in North America and its velocity factor is in fact .66 refer to the attached pdf file.

If you check other specific cable type WITH IN THE SPEC SHEET you can find .72 and .82 VF coaxes based on this single page reference.

Can you comment on the European spec sheets

This says we have to be careful on generalizations and get the exact specifics based on specific manufactures product number .

The last coax I used was the c1117 which most electrical/electronic wholesalers stock as its cheap.

I based my design impedance matching section length based on the actual coax using the 1/4 formula using the .66 factor and the matching was 100/50 ohm transition

Can you mention the specific brand you looked up with the manufacturing standards used, I suspect the European standards might be quite a bit higher vf factors to eliminate rfi due to high density systems.in Europe .82 might be consider unacceptable.

Europeans have a much higher populations in smaller spaces and closer physical properties between building etc and closeness to the cable distribution structures.
Newer North American areas are likely buried from day 1 of the construction phase if the physical environment allows eg not mountainous terrain for example areal cable is the only option for this terrain where cable shields factors are important.

Most of our older in house distributions are .66 vf but with the increased electronics environment the interference factor today are much more severe as a result.
what did the Europeans use 20 years ago in comparison

Doug ve5dcp

Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: Richard
To: ham-antennas@yahoogroups.com
Sent: Friday, December 23, 2011 5:33 PM
Subject: Re: [ham-antennas] Coax for Loop antennas V factor etc

On Fri, 23 Dec 2011 14:05:00 -0600
"Richard Schmuke" <rdj@...> wrote:

> RG-58 is 0.66 as coax but if using the ground/ shield then it would be
> about0.95 but why use coax unless it is free, wire is much cheaper and
> better. IMHO
>
> Rich/ Kd0zz
>
> Subject: AW: [ham-antennas] Coax for Loop antennas V factor etc
>
>
>
>
>
>
> V= around 0.95 ... like any insulated wire
>
> So it is NOT 0.66 !!!
>
> Dg9bfc
> Sigi
>
>
I didn't see what band you were thinking of, or whether you where thinking of a long wire loop or a
magnetic loop.
RG174 is not strong enough to support its own weight on an long unsupported run.
If you where considering a magnetic loop, for the lower bands the diameter of the conductor starts to
become very important.
If that was your intention to build a mag loop, find one of the Hams with large VHF/UHF arrays and
enquire if the know of any water damaged 1/2" heliax/hardline. These guys have normally got their ears
to the ground where there are sources of 1/2" hard line.
The reason I say water damaged is that PTFE foam coax is pretty useless once water gets in, and is most
times thrown out. Cell phone sites will have regular maintenance, which sometimes makes some available.

It makes great low band mag loops ,bends easily into shape and you can join it with low cost 1/2"
plumbing fittings, you only use the outer corrugated braid, so water damage doesn't matter.
I use a 16' dia mag loop made from LDF4-50 on 80 mtrs and 160 mtrs, and requires minimal mechanical
support.
Now I've probably confused the hell outa you all.

--
Happy Christmas and a Happy New Year

Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
##

[Non-text portions of this message have been removed]

21530. Re: AW: [ham-antennas] How should I interpret swr data from my loop antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 13:15:18 UTC
From: doug pfaff
Topic: 20501 Message: 21530

If you check a square loop design antenna it will likely be flat across the band but not necessarily 1:1.

The loop formula 1005/freq MHz so length varies allows for any frequency.

I don't have the yard real estate to try anything bigger than 20 design due to city lot size

I cut mine for bottom end at 14.0 MHz but works to 14.350 based on Canadian band plan

I have not done the delta design using cap and sliding rod matching system and a shorting clamp across to the driven element

Have you done a SWR profile on the 80 M band.

Remember the SWR could be either a low number of ohm at 25 or a high at 100 ohms either value give you a 2:1 SWR ratio.

REMEMBER ALSO THE OTHER FORMULA IS BASED ON FORWARD AND REFLECTED POWER LEVELS IF YOU USE A WATTMETER IN LINE

FOR POWER REMEMBER THE P=E/I FORMULA OR P=E SQRD /R.

Do you know the impedance values instead of the swr numbers

Ideally you want to get a 450 value into the antenna for max power transfer then transform it back to 50 ohms to satisfy the transmitter using a balun to go from 450 to 50.

I believe a 4:1 balun leave you at 125 ohms at tx if you have an input impedance of 450 ohms ZO for ladder feed line.

I don't use ladder line due to rfi into shack

You will have to custom wind a 9:1 for the transmitter end.

See Jerry Sevick Transmission Line Transformers available thru ARRL bookstore note he is now a SK ham and other have carried on his work

I have found swr varies with power level due to linearity issue with the diodes in most swr meters even if you match them using a ohm meter.

I saw good information based on a vna analyzer giving you all antenna factor but cost was about 500 dollars

Doug VE5DCP

Doug Pfaff
doug.pfaff@...

----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 10, 2011 1:33 PM
Subject: RE: AW: [ham-antennas] How should I interpret swr data from my loop antenna

I take my measurements at the feed point of the loop. It is a delta. Mine is a 80M size, then tweaked to a 1:1 SWR in the middle of the 20M phone band and I use it 40 thru 10m.

I am surprised you are not resonate and 1:1 somewhere. Do you need a 4:1 balun?

I use a 4:1 duel rod current balun at the apex and RG-8 type to the rig

You might want to try a switchable 1:1/4:1 balun, that is what I use on my 135ft dipole that is feed with 450 ohm ladder line and different bands come in better at different balun settings.

Just thinking and still confused, Rich , Kd0zz

')>
> Betreff: [ham-antennas] How should I interpret swr data from my loop
> antenna
>
>
>
> Dear Group I have just installed a 160m loop antenna that is
> approximately 20ft high. Performance wise other than at 80m it appears
> to be substantially weaker than my trapped dipole which is at 30 feet,
> on 80 it is equal or better in performance. I define weaker by
> approximately 2 s units less in power and weaker TX signal reports
> when I have a qso with someone.
> With the above stated I have taken measurements with my antenna
> analyzer and would like help in understanding the data. Does is
> suggest that the loop should be longer or shorter. Does it give
> insight on ground coupling as am I correct that it is to close to the
> ground.
> Basically I have the data but I really dont know if it is telling me
> anything at all.
> Right now I am looking into ways to raise the antenna between 30 and
> 40 ft, but before I take the wire down, I want to understand what the
> data is telling me so if I need to make other adjustments to length I
> can do it. I have data so just guessing on what to do next is not good
> engineering practice. My problem is I am a mechanical guy not an
> electrical guy.
> Below is the data I measured with my antenna analyzer.
> FRQ SWR R X 1.77 14.9 3 -41 1.80 16 3 -38 1.83 16 2 -37 1.85 16.5 2
> -35 1.90 16.5 2 -32 1.95 16.5 2 -30 2.00 16 2 -27 2.10 14.9 2 -22 2.20
> 13.1 3 -17 2.30 10.5 4 -12 2.40 8.2 5 -7 2.50 5.6 8 -4 2.60 3.3 15 7
> 2.70 1.8 29 8 2.75 1.5 34 8 2.80 1.8 31 6 2.85 2.4 23 20 2.90 3.1 17
> -18 3.00 4.7 9 -13 3.10 5.7 7 -7 3.20 5.8 7 -3 3.30 5.4 8 8 3.40 4.6 9
> 13 3.50 3.5 13 19 3.60 2.4 22 21 3.70 1.6 33 -12 3.75 1.5 33 -7 3.80
> 1.7 28 -5 3.90 2.6 19 -5 4.00 3.9 12 6 4.10 5.2 8 10 4.20 6.5 6 15

> 4.30 7.2 6 20 4.40 7.6 5 24 4.50 7.5 5 20 4.60 6.9 6 35 4.70 6 8 40
> 4.80 5 12 45 4.90 4 17 47 5.00 3.8 19 46 5.10 4.3 16 46 5.20 5.5 13 49
> 5.30 6.9 11 56 5.50 9.4 10 74 5.75 10.5 16 108 6.00 9.8 49 170 6.20
> 8.1 162 227 6.50 6.9 337 136 6.75 9.1 217 263 7.00 10.8 49 -172 7.10
> 11.1 29 -144 7.20 11.1 21 -120 7.30 11.1 15 -105 7.40 10.8 12 -90 7.50
> 10.3 10 -78 7.60 9.4 9 -69 7.70 8.4 9 -61 7.80 7.3 9 -54 7.90 6.3 10
> -50 8.00 5.9 10 -47 8.10 6.1 10 -45 8.20 6.8 8 -41 8.30 7.5 6 -37 8.50
> 8.2 4 -29 8.75 7.9 4 -20 9.00 6.5 6 -10 9.25 4.3 11 -4 9.50 3.1 15 -3
> 9.75 3.8 12 4 10.00 4 12 13 10.25 3 17 9 10.50 2.3 24 20 10.75 2.8 20
> 20 11.00 3.5 17 28 11.25 3.5 20 38 11.50 3.1 26 44 11.75 3.6 26 49
> 12.00 4.9 25 64 12.25 6.1 32 90 12.50 6.9 61 134 12.75 6.7 169 179
> 13.00 6 296 -113 13.25 6.5 226 -174 13.50 7.5 88 -166 13.75 7.9 38
> -119 14.00 7.9 20 -85 14.10 7.7 17 -76 14.20 7.3 15 -67 14.30 7 13 -61
> 14.40 6.7 12 -55 14.50 6.5 12 -51 14.75 6.5 9 -41 15.00 7.2 6 -31
> 15.25 7.2 6 -23 15.50 6.5 6 -15 15.75 5.6 8 -8 16.00 4.7 9 -3
> Thanks in advance for your help
> ~73 Don KD8NNU
> [Non-text portions of this message have been removed]
>
>
>

<javascript:parent.wgMail.openComposeWindow('ham-antennas@yahoogroups.com
<mailto:%27ham-antennas%40yahoogroups.com> ')>
<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21531. RE: [ham-antennas] my first antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 13:45:54 UTC
From: Richard Schmuke
Topic: 21528 Message: 21531

Steve, I would love to trade you some 100ft red oaks for some blackjack oaks and scrub cedars. My loop works great and the feed point is about 40ft on a homemade steel tilt over, the rest of it is 25 to 30ft because of the lack of tall trees close by. Still it is the best, in general, I have ever used next to a beam.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of kj6ddf
Sent: Saturday, December 24, 2011 5:39 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] my first antenna

Well I don't have it yet,

but I ordered a "store bought" 160 meter loop with 124 ft ladder line

the house has a tall roof, I used to climb trees when I was old enough to reach the lowest limb, perhaps 5 years old and later I was an Ironworker, and even if I shouldn't, because I have back and neck problems I climbed up onto the roof.
I was still scared, which showed my brain was working just fine.
I don't know if I'm up to putting the antenna up myself or not.

The top of the roof must be 30 or 35 ft high, there are several trees in the back yard that are possibly useful, but aren't very big trees. The wire is 14 ga with insulation, so it's probably on the heavy side.

If I only hung it from 4 points, I'd have to have strong trees or if I am able to use the top of the roof as two points for the front.

Maybe I can put more insulators, I might go over the top of the garage, and that would be an additional insulator and maybe if I added several more so there wouldn't be so much weight on the one in the back yard all the way in the back, north west side.

Then over to the other side of the back yard, or the north east corner, I'm not sure which tree, but there is a large red oak tree, and from there I'm not sure. When I first measured off the yard, it's roughly 120 ft x 110 ft, so I may have more antenna that yard, unless I spread it or fold it a bit, I'm told I can do that.

It's interesting, I get all sorts of advice from knowledgeable people, and I understand, (most of the time) what they are talking about, but when I go to talking about what they advised me to do, I can't say it very well.

Anyway, from the top of roof on the east side, the south east side, the ladder line will come down the side of the house, I'm not sure how it will work because of the length, but under the eaves keeping it away from metal, (that part I remember well from advice I was given) to the MJF window thru.

The yard and surrounding area has very tall trees, maybe 110 ft, mostly oaks and other deciduous trees. When I was a kid, all that mean to me was they "rained" leaves all year long and my dad wanted the leaves raked up every week, so I hated them, except to climb them.

But now I wish I had a few more in the right places in the yard. But there are some smaller ones, I wonder if I get it up about 30 or 35 feet will that be high enough?

thanks
steve

[Non-text portions of this message have been removed]

21532. Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 14:06:12 UTC
From: Jon
Topic: 21532 Message: 21532

I am about to finally erect a 160M loop. It will be as high as I can get it and as near to being square as I can get it. It will be made out of 18ga stranded and insulated copper fed with 450ohn ladder line. I'm not sure if I will put a balun ad the outside wall of the shack and rg8 on in to the tuner or run it on in to the tuner. My calculations say it should be 515'. The question comes from various pieces of "advice" vary. It will be used as a multi band antenna. I thought it should be the calculated length to work better with all bands but I've been told it makes no difference. Why I'm asking is my piece of wire is 560' and I could manage to get it all up and before I cut it would like to hear from those that KNOW from use and are willing to share the information.

Thanks for the help

73 de Jon - N0IGU

21533. Loop Skywire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 14:57:11 UTC
From: wa6txu
Topic: 21533 Message: 21533

Has anyone had any experience with the "Loop Skywire"? I have seen it in the ARRL Antenna project book. Looks very interesting, and does not seem to be too difficult, nor expensive to build, and appears to do well at 40 feet with 65 foot sides (for the 80 meter model). I have the space and the wire, and currently have a "V" wire beam. Dave.

21534. RE: [ham-antennas] Loop Skywire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 15:36:05 UTC
From: Richard Schmuke
Topic: 21533 Message: 21534

The ARRL has had it in its books for years, the first was direct fed with 50ohm coax and the later had a 72 ohm coax transformer. I put one up with the matching section and it worked fine but was only for one band, 40m at the time because of the coax transformer. I changed mine then to a multi band by installing a 4:1 balun at the feed point. Now it is 80M size, delta shaped, feed with coax and does great on all bands 40 thru 10.

Rich, Kd0zz

Subject: [ham-antennas] Loop Skywire

Has anyone had any experience with the "Loop Skywire"? I have seen it in the ARRL Antenna project book. Looks very interesting, and does not seem to be too difficult, nor expensive to build, and appears to do well at 40 feet with 65 foot sides (for the 80 meter model). I have the space and the wire, and currently have a "V" wire beam. Dave.

[Non-text portions of this message have been removed]

21535. J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 15:55:05 UTC
From: Ed Stewart
Topic: 21535 Message: 21535

I have a 1/2 inch copper tubing J-Pole antenna question. Which way would be the best way to route the coax from the connection to the J-Pole, use a 90 degree coax connector and run the coax down the support tied flat or use a straight connector on the coax and make the coax loop down to passed the short bottom stub of the J-Pole. I would like to use the 90 degree because it is more secure tied flush to the pvc support , but don't know whether the coax running flush will efect the antenna's swr or performace. Ed-KB3WRX
--

[Non-text portions of this message have been removed]

21536. Re: [ham-antennas] Loop Skywire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 16:04:57 UTC
From: Dave
Topic: 21533 Message: 21536

Thanks Rich. As a delta rather than a square, I assume the sides are 87 ft long rather than.the 65 ft for a square pattern. How high did you put it? Better to put the balun at feed point rather than at the tuner (and then feeding the ant with open line)?

Sent from my awesome iPhone 4S

On Dec 24, 2011, at 10:36 AM, "Richard Schmuke" <rdj@...> wrote:

> The ARRL has had it in its books for years, the first was direct fed with
> 50ohm coax and the later had a 72 ohm coax transformer. I put one up with
> the matching section and it worked fine but was only for one band, 40m at
> the time because of the coax transformer. I changed mine then to a multi
> band by installing a 4:1 balun at the feed point. Now it is 80M size, delta
> shaped, feed with coax and does great on all bands 40 thru 10.
>
> Rich, Kd0zz
>
>
> Subject: [ham-antennas] Loop Skywire
>
>
>
>
>
>
> Has anyone had any experience with the "Loop Skywire"? I have seen it in the
> ARRL Antenna project book. Looks very interesting, and does not seem to be
> too difficult, nor expensive to build, and appears to do well at 40 feet
> with 65 foot sides (for the 80 meter model). I have the space and the wire,
> and currently have a "V" wire beam. Dave.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21537. Re: my first antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 16:39:15 UTC
From: fred
Topic: 21528 Message: 21537

you can have my 50 ft. pine .
kd5pnt

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> Steve, I would love to trade you some 100ft red oaks for some blackjack oaks
> and scrub cedars. My loop works great and the feed point is about 40ft on a
> homemade steel tilt over, the rest of it is 25 to 30ft because of the lack
> of tall trees close by. Still it is the best, in general, I have ever used
> next to a beam.
>
> Rich, Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of kj6ddf
> Sent: Saturday, December 24, 2011 5:39 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] my first antenna
>
>
>
>
>
>
> Well I don't have it yet,
>
> but I ordered a "store bought" 160 meter loop with 124 ft ladder line
>
> the house has a tall roof, I used to climb trees when I was old enough to
> reach the lowest limb, perhaps 5 years old and later I was an Ironworker,
> and even if I shouldn't, because I have back and neck problems I climbed up
> onto the roof.
> I was still scared, which showed my brain was working just fine.
> I don't know if I'm up to putting the antenna up myself or not.
>
> The top of the roof must be 30 or 35 ft high, there are several trees in the
> back yard that are possibly useful, but aren't very big trees. The wire is
> 14 ga with insulation, so it's probably on the heavy side.
>
> If I only hung it from 4 points, I'd have to have strong trees or if I am
> able to use the top of the roof as two points for the front.
>
> Maybe I can put more insulators, I might go over the top of the garage, and
> that would be an additional insulator and maybe if I added several more so

> there wouldn't be so much weight on the one in the back yard all the way in
> the back, north west side.
>
> Then over to the other side of the back yard, or the north east corner, I'm
> not sure which tree, but there is a large red oak tree, and from there I'm
> not sure. When I first measured off the yard, it's roughly 120 ft x 110 ft,
> so I may have more antenna that yard, unless I spread it or fold it a bit,
> I'm told I can do that.
>
> It's interesting, I get all sorts of advice from knowledgeable people, and I
> understand, (most of the time) what they are talking about, but when I go to
> talking about what they advised me to do, I can't say it very well.
>
> Anyway, from the top of roof on the east side, the south east side, the
> ladder line will come down the side of the house, I'm not sure how it will
> work because of the length, but under the eaves keeping it away from metal,
> (that part I remember well from advice I was given) to the MJF window thru.
>
> The yard and surrounding area has very tall trees, maybe 110 ft, mostly oaks
> and other deciduous trees. When I was a kid, all that mean to me was they
> "rained" leaves all year long and my dad wanted the leaves raked up every
> week, so I hated them, except to climb them.
>
> But now I wish I had a few more in the right places in the yard. But there
> are some smaller ones, I wonder if I get it up about 30 or 35 feet will that
> be high enough?
>
> thanks
> steve
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21538. RE: [ham-antennas] Loop Skywire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 17:13:45 UTC
From: Richard Schmuke
Topic: 21533 Message: 21538

Dave I did not measure the sides. It is a delta shape with rope running at the corners out to available trees. Here is how I made it. I put up a 80M size delta loop. I feed it with coax and have a 4:1 balun at the apex. The apex is about 40ft and the other two points are about 25ft. I used pulleys and rope at all points for quick adjustment. It is spliced in the middle with a split bolt. A 80m loop is a 100 ohm antenna but when operated on a multiple frequency it is a 200 ohm antenna so a 4:1 balun matches it to 50 ohm coax. I checked it at the area of the 20M phone band where I work and adjusted it to a 1:1 SWR. I now can work 40, 20, 17 , 15 , 12 and 10 on one antenna. The low SWR point on 17 is a little low in frequency but all other bands are great. 17 is fine with a inboard tuner if you have one. If you try this remember if you are adjusting for a good SWR setting on 20 and are inclined to use math to figure the length needed for adjustment that you will be adjusting a 80M antenna so if you think you need 4 inches of trim by ciphering it will be 16 in the real world.

I use it as a multi-band loop that does not need a external tuner that is the reason for the balun at the apex and coax.

I also have a 135ft doublet that is fed with ladder line and a balun just inside my window pass thru. With a short run of coax to my tuner. The balun for the doublet is one that is switchable from a 1:1 or a 4:1 depending on what band requires what balun. The doublet ends are east and west, this allows me to A/B switch instantly between the two different antenna setups to see which one is working for that direction. A couple of weeks ago during the 10M contest the doublet had gain into Europe, Japan and the pacific , next weekend was the RAC and the loop was better into Canada, because the higher bands have loops of the end. If I had be on 80 or 40 the doublet would have been better. I know I could add another switch and run both as ladder line but then I would have to move out of my chair to change antennas and I am old and lazy.

Next question???

Rich ,KDØZZ , ☺

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: Saturday, December 24, 2011 10:05 AM
To: ham-antennas@yahoogroups.com
Cc: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] Loop Skywire

Thanks Rich. As a delta rather than a square, I assume the sides are 87 ft long rather than.the 65 ft for a square pattern. How high did you put it? Better to put the balun at feed point rather than at the tuner (and then feeding the ant with open line)?

Sent from my awesome iPhone 4S

On Dec 24, 2011, at 10:36 AM, "Richard Schmuke" <rdj@... <mailto:rdj%40wildblue.net> > wrote:

> The ARRL has had it in its books for years, the first was direct fed with
> 50ohm coax and the later had a 72 ohm coax transformer. I put one up with
> the matching section and it worked fine but was only for one band, 40m at
> the time because of the coax transformer. I changed mine then to a multi
> band by installing a 4:1 balun at the feed point. Now it is 80M size, delta
> shaped, feed with coax and does great on all bands 40 thru 10.
>
> Rich, Kd0zz
>
>
> Subject: [ham-antennas] Loop Skywire
>
>
>
>
>
> Has anyone had any experience with the "Loop Skywire"? I have seen it in the
> ARRL Antenna project book. Looks very interesting, and does not seem to be
> too difficult, nor expensive to build, and appears to do well at 40 feet
> with 65 foot sides (for the 80 meter model). I have the space and the wire,
> and currently have a "V" wire beam. Dave.
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
<mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
<mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21539. RE: [ham-antennas] Re: my first antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 17:36:19 UTC
From: Richard Schmuke
Topic: 21528 Message: 21539

That would be better than what I have , the only tall trees are farther into the woods on my land and the land runs down hill so the wire would be thru the trees. A 50ft pine would be better than my cedars and scrub oak that I have close by. Rich

you can have my 50 ft. pine .
kd5pnt

--- In ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
, "Richard Schmuke" <rdj@...> wrote:
>
> Steve, I would love to trade you some 100ft red oaks for some blackjack
oaks
> and scrub cedars. My loop works great and the feed point is about 40ft on
a
> homemade steel tilt over, the rest of it is 25 to 30ft because of the lack
> of tall trees close by. Still it is the best, in general, I have ever used
> next to a beam.
>
> Rich, Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] On
> Behalf Of kj6ddf
> Sent: Saturday, December 24, 2011 5:39 AM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: [ham-antennas] my first antenna
>
>
>
>
>
>
> Well I don't have it yet,
>
> but I ordered a "store bought" 160 meter loop with 124 ft ladder line
>
> the house has a tall roof, I used to climb trees when I was old enough to
> reach the lowest limb, perhaps 5 years old and later I was an Ironworker,
> and even if I shouldn't, because I have back and neck problems I climbed
up
> onto the roof.
> I was still scared, which showed my brain was working just fine.

> I don't know if I'm up to putting the antenna up myself or not.
>
> The top of the roof must be 30 or 35 ft high, there are several trees in
the
> back yard that are possibly useful, but aren't very big trees. The wire is
> 14 ga with insulation, so it's probably on the heavy side.
>
> If I only hung it from 4 points, I'd have to have strong trees or if I am
> able to use the top of the roof as two points for the front.
>
> Maybe I can put more insulators, I might go over the top of the garage,
and
> that would be an additional insulator and maybe if I added several more so
> there wouldn't be so much weight on the one in the back yard all the way
in
> the back, north west side.
>
> Then over to the other side of the back yard, or the north east corner,
I'm
> not sure which tree, but there is a large red oak tree, and from there I'm
> not sure. When I first measured off the yard, it's roughly 120 ft x 110
ft,
> so I may have more antenna that yard, unless I spread it or fold it a bit,
> I'm told I can do that.
>
> It's interesting, I get all sorts of advice from knowledgeable people, and
I
> understand, (most of the time) what they are talking about, but when I go
to
> talking about what they advised me to do, I can't say it very well.
>
> Anyway, from the top of roof on the east side, the south east side, the
> ladder line will come down the side of the house, I'm not sure how it will
> work because of the length, but under the eaves keeping it away from
metal,
> (that part I remember well from advice I was given) to the MJF window
thru.
>
> The yard and surrounding area has very tall trees, maybe 110 ft, mostly
oaks
> and other deciduous trees. When I was a kid, all that mean to me was they
> "rained" leaves all year long and my dad wanted the leaves raked up every
> week, so I hated them, except to climb them.
>
> But now I wish I had a few more in the right places in the yard. But there
> are some smaller ones, I wonder if I get it up about 30 or 35 feet will
that
> be high enough?
>
> thanks

> steve
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

21540. Re: [ham-antennas] Loop Skywire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 18:27:01 UTC
From: Dave
Topic: 21533 Message: 21540

Rich, you have sold me on the coax and the balun at the feed point. Sounds good. Thanks.

Sent from my awesome iPhone 4S

On Dec 24, 2011, at 12:13 PM, "Richard Schmuke" <rdj@...> wrote:

> Dave I did not measure the sides. It is a delta shape with rope running at the corners out to available trees. Here is how I made it. I put up a 80M size delta loop. I feed it with coax and have a 4:1 balun at the apex. The apex is about 40ft and the other two points are about 25ft. I used pulleys and rope at all points for quick adjustment. It is spliced in the middle with a split bolt. A 80m loop is a 100 ohm antenna but when operated on a multiple frequency it is a 200 ohm antenna so a 4:1 balun matches it to 50 ohm coax. I checked it at the area of the 20M phone band where I work and adjusted it to a 1:1 SWR. I now can work 40, 20, 17 , 15 , 12 and 10 on one antenna. The low SWR point on 17 is a little low in frequency but all other bands are great. 17 is fine with a inboard tuner if you have one. If you try this remember if you are adjusting for a good SWR setting on 20 and are inclined to use math to figure the length needed for adjustment that you will be adjusting a 80M antenna so if you think you need 4 inches of trim by ciphering it will be 16 in the real world.
>
> I use it as a multi-band loop that does not need a external tuner that is the reason for the balun at the apex and coax.
>
> I also have a 135ft doublet that is fed with ladder line and a balun just inside my window pass thru. With a short run of coax to my tuner. The balun for the doublet is one that is switchable from a 1:1 or a 4:1 depending on what band requires what balun. The doublet ends are east and west, this allows me to A/B switch instantly between the two different antenna setups to see which one is working for that direction. A couple of weeks ago during the 10M contest the doublet had gain into Europe, Japan and the pacific , next weekend was the RAC and the loop was better into Canada, because the higher bands have loops of the end. If I had be on 80 or 40 the doublet would have been better. I know I could add another switch and run both as ladder line but then I would have to move out of my chair to change antennas and I am old and lazy.
>
> Next question???
>
>
>
> Rich ,KDØZZ , ☺
>
>
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
> Sent: Saturday, December 24, 2011 10:05 AM
> To: ham-antennas@yahoogroups.com
> Cc: <ham-antennas@yahoogroups.com>
> Subject: Re: [ham-antennas] Loop Skywire
>
>

>
>
>
> Thanks Rich. As a delta rather than a square, I assume the sides are 87 ft long rather than.the 65 ft for a square pattern. How high did you put it? Better to put the balun at feed point rather than at the tuner (and then feeding the ant with open line)?
>
> Sent from my awesome iPhone 4S
>
> On Dec 24, 2011, at 10:36 AM, "Richard Schmuke" <rdj@... <mailto:rdj%40wildblue.net> > wrote:
>
>> The ARRL has had it in its books for years, the first was direct fed with
>> 50ohm coax and the later had a 72 ohm coax transformer. I put one up with
>> the matching section and it worked fine but was only for one band, 40m at
>> the time because of the coax transformer. I changed mine then to a multi
>> band by installing a 4:1 balun at the feed point. Now it is 80M size, delta
>> shaped, feed with coax and does great on all bands 40 thru 10.
>>
>> Rich, Kd0zz
>>
>>
>> Subject: [ham-antennas] Loop Skywire
>>
>>
>>
>>
>>
>> Has anyone had any experience with the "Loop Skywire"? I have seen it in the
>> ARRL Antenna project book. Looks very interesting, and does not seem to be
>> too difficult, nor expensive to build, and appears to do well at 40 feet
>> with 65 foot sides (for the 80 meter model). I have the space and the wire,
>> and currently have a "V" wire beam. Dave.
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>> Post message: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>> Subscribe: ham-antennas-subscribe@yahoogroups.com <mailto:ham-antennas-subscribe%40yahoogroups.com>

>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
<mailto:ham-antennas-unsubscribe%40yahoogroups.com>
>> List owner: ham-antennas-owner@yahoogroups.com <mailto:ham-antennas-owner%40yahoogroups.com>
>> Yahoo! Groups Links
>>
>>
>>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21541. Re: [ham-antennas] J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 18:42:14 UTC
From: Todd F. Carney
Topic: 21535 Message: 21541

*Well, most j-poles need a loop balun up there---three or four turns of the coax---to match the impedances. Take a look as some pictures of j-poles online. You'll notice the balun right there at the bottom and secured just under the horizontal member of the J. It just may be better to hard wire the balun to the feed points, and attach your connector at the end of the balun. For that, a straight connector may be best.

Try this shortened link to a Google search page showing images of various j-pole arrangements. Lots of good ideas on securing the coax to the mast as well.

http://bit.ly/tyGAh2

Happy Holidays!

Todd
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541)
951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Sat, Dec 24, 2011 at 7:55 AM, Ed Stewart <stewart.ed@comcast.net> wrote:

> **
>
>
> I have a 1/2 inch copper tubing J-Pole antenna question. Which way would
> be the best way to route the coax from the connection to the J-Pole, use
> a 90 degree coax connector and run the coax down the support tied flat
> or use a straight connector on the coax and make the coax loop down to
> passed the short bottom stub of the J-Pole. I would like to use the 90
> degree because it is more secure tied flush to the pvc support , but
> don't know whether the coax running flush will efect the antenna's swr
> or performace. Ed-KB3WRX
> --
>
> [Non-text portions of this message have been removed]
>
>

>

[Non-text portions of this message have been removed]

21542. Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 18:43:03 UTC
From: wa5pse
Topic: 21480 Message: 21542

I apologize that it's taken so long to reply on this subject...it's a busy time...

Anyway, I've only seen one reply that remotely addresses my concern with your question...and, that's the one referring to 'skin effect'...

My concern is simply, any antenna that uses any material of higher electrical resistance than the usual copper or aluminum will start to dissipate more and more power in heat rather than electrical and magnetic radiation.

Larsen Antennas used to coat their stainless steel whips with a low resistance material to counter that very effect...
As many may remember, that was a very successful antenna..

Combine electrical resistance AND 'skin effect' and you may have a snow-balling effect.

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I have heard of using using steel galvanized 20 or 22 or similar for antenna wire?
>

21543. RE: [ham-antennas] Loop Skywire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 18:50:23 UTC
From: Richard Schmuke
Topic: 21533 Message: 21543

Dave , I think you will like it, if you have any questions along the way feel free to ask.

Rich

Rich, you have sold me on the coax and the balun at the feed point. Sounds good. Thanks.

Sent from my awesome iPhone 4S

[Non-text portions of this message have been removed]

21544. Re: anyone used or heard of using 20/22 ga galvanized fence wire for

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 18:58:50 UTC
From: Mike Rodgers
Topic: 21544 Message: 21544

I've been using 17ga galvanized electric fence wire on my 80m delta loop for a year or longer, ever since the loop was up. Had it. Used it.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

21545. books that may be of interest/use

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 19:03:00 UTC
From: jo barden
Topic: 21545 Message: 21545

Hi All I treated myself for Christmas and got the following from Amidon (US) I must admit that I had a shock in that I had to order them before I got invoice including p&p but never mind. Saying that well worth the money. The transmission line transformers is the 2nd volume and there are pictures showing what they should look like and even has weird/non stardand ratio baluns as well. BK01-H and K
New 17th Edition Hints & Kinks
$17.95
ITEM#: Bk01-SVAGR
The Short Vertical Antenna & Ground
Radial
$10.00
ITEM#: BK01-TLT Handbook
Transmission Line TranTransformer
By Jerry Sevick $10.00
Happy holidays Jon G6UWK

[Non-text portions of this message have been removed]

21546. Re: Loop Skywire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 19:24:36 UTC
From: Mike Rodgers
Topic: 21533 Message: 21546

My 80m delta is only about 25' and droops low. Its odd but those putting up 160 loops seem to have to get them higher to work. One thing to keep in mind is your target band if you have one. Target band for a 160 loop for me would be 40m. They are a good multi band antenna especially with ladder line but a 160 loop on 160 will radiate mostly straight up. On 80 nearly the same but Don is reporting some good results at 2w/l. I don't use mine much at 2w/l. On 40 it will be a good compromise at 4w/l. A pretty good cloverleaf pattern and approximate 35 degree radiation angle at 20 foot height and about 20 degrees at 50 feet high. After 4w/l the pattern goes from a cloverleaf to a multi fingered looking pattern like your hand.
I think everyone should try one sooner rather than later. Mine seems to be very broadbanded also so very little retuning necessary within same band.

73
Mike R

Sent from my spy ring

Amateur/Ham Radio KE5GBC
HF & Echolink

21547. Re: [ham-antennas] Loop Skywire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 19:49:18 UTC
From: Andy
Topic: 21533 Message: 21547

Rich,

Is your 80m delta loop a vertical loop? Or horizontal but with some tilt?

Trying to distinguish it from a "Loop Skywire" which is described in
the literature as a ~flat horizontal loop.

Andy

21548. RE: [ham-antennas] J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 20:06:58 UTC
From: Richard Schmuke
Topic: 21535 Message: 21548

###Todd , what a great site for J-Pole information. I agree with you about a coax choke. I attach the RG-8X coax with small hose clamps and then solder in place, let the coax drop down thru the center, add a ty-wrap at the horizontal part between the verticals, then a few turns of coax around the support to form the choke. Next I add a SO-239 single hole with a hood. I then can attach RG-8 size coax down to the rig.
Rich Kd0zz

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Todd F. Carney
Sent: Saturday, December 24, 2011 12:42 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] J-Pole question

*Well, most j-poles need a loop balun up there---three or four turns of the coax---to match the impedances. Take a look as some pictures of j-poles online. You'll notice the balun right there at the bottom and secured just under the horizontal member of the J. It just may be better to hard wire the balun to the feed points, and attach your connector at the end of the balun. For that, a straight connector may be best.

Try this shortened link to a Google search page showing images of various j-pole arrangements. Lots of good ideas on securing the coax to the mast as well.

http://bit.ly/tyGAh2

Happy Holidays!

Todd
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541)
951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Sat, Dec 24, 2011 at 7:55 AM, Ed Stewart <stewart.ed@...> wrote:

> **
>
>
> I have a 1/2 inch copper tubing J-Pole antenna question. Which way would
> be the best way to route the coax from the connection to the J-Pole, use
> a 90 degree coax connector and run the coax down the support tied flat
> or use a straight connector on the coax and make the coax loop down to
> passed the short bottom stub of the J-Pole. I would like to use the 90
> degree because it is more secure tied flush to the pvc support , but
> don't know whether the coax running flush will efect the antenna's swr
> or performace. Ed-KB3WRX
> --
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21549. RE: [ham-antennas] Loop Skywire

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 20:10:11 UTC
From: Richard Schmuke
Topic: 21533 Message: 21549

Horizontal with some tilt, feed point about 40ft and the other two about 25ft. It will be flat as soon as the trees grow, HiHi.

Rich, Kd0zz

Rich,

Is your 80m delta loop a vertical loop? Or horizontal but with some tilt?

Trying to distinguish it from a "Loop Skywire" which is described in the literature as a ~flat horizontal loop.

Andy

[Non-text portions of this message have been removed]

21550. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 20:21:54 UTC
From: Ron Youvan
Topic: 21480 Message: 21550

Mike, WA5PSE wrote:

> I apologize that it's taken so long to reply on this subject...it's a busy time...

> Anyway, I've only seen one reply that remotely addresses my concern with your question...and, that's
> the one referring to 'skin effect'...

> My concern is simply, any antenna that uses any material of higher electrical resistance than the
> usual copper or aluminum will start to dissipate more and more power in heat rather than electrical
> and magnetic radiation.

I don't think zinc is that bad of a conductor. (steel electric fence wire is galvanized)

> Larsen Antennas used to coat their stainless steel whips with a low resistance material to counter
> that very effect...
> As many may remember, that was a very successful antenna..

And when the copper coating was blasted off by flying bug teeth, (eyes, wings, legs etc.) they
just quit working, nonsense.

> Combine electrical resistance AND 'skin effect' and you may have a snow-balling effect.

Stainless steel wire and rod antennas work undetectabley the same as anything else.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21551. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 20:35:11 UTC
From: Adrian Flynn
Topic: 21480 Message: 21551

Also found this 12 1/2 Gage High Tensile wire on the Tractor Supply site
4000' for $99.99 http://preview.tinyurl.com/7fj4n8s
Also your pricing varies by store location.
73
Adrian KF7DYU

On Fri, Dec 23, 2011 at 9:07 PM, Ken <wa8jxm@...> wrote:

> **
>
>
>
> On Dec 23, 2011, at 6:38 PM, Ron Youvan wrote:
>
> > I could not find any `aluminum electric fence wire' at: homedepot.com
>
> You can find it at Tractor Supply or probably most farm supply stores.
>
>
> http://www.tractorsupply.com/aluminum-electric-fence-wire-17-ga-1-4-mile-3600859
> $20.
>
> They also have 14ga. for $40
>
> Ken WA8JXM
>
>
>

[Non-text portions of this message have been removed]

21552. RE: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 20:54:35 UTC
From: Richard Schmuke
Topic: 21480 Message: 21552

The 12 1/2 gage high tensile wire is good for what it is made for. If you want to run a single wire over a very long distance it will work. It is very springy , more so than copper weld. It needs to be crimped and if you bend it, it will develop stress cracks. Normal steel is about 55Ksi in strength, this is right at 200Ksi, much stronger than normal steel wire, harder, stiffer , it is made for spring loaded farm fencing.
Rich ,KDØZZ , ☺

from the middle of Missouri , out in the sticks with the hicks and the ticks.

Also found this 12 1/2 Gage High Tensile wire on the Tractor Supply site
4000' for $99.99 http://preview.tinyurl.com/7fj4n8s
Also your pricing varies by store location.
73
Adrian KF7DYU

On Fri, Dec 23, 2011 at 9:07 PM, Ken <wa8jxm@...> wrote:

> **
>
>
>
> On Dec 23, 2011, at 6:38 PM, Ron Youvan wrote:
>
> > I could not find any `aluminum electric fence wire' at: homedepot.com
>
> You can find it at Tractor Supply or probably most farm supply stores.
>
>
> http://www.tractorsupply.com/aluminum-electric-fence-wire-17-ga-1-4-mile-3600859
> $20.
>
> They also have 14ga. for $40
>
> Ken WA8JXM
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21553. Re: [ham-antennas] Help with beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 21:16:56 UTC
From: Dave Oldridge
Topic: 21509 Message: 21553

On 23/12/2011 1:05 PM, Dwayne wrote:
> Hello All,
>
> This is my first post to the group, and hopefully I will not dork it up.
>
>
>
> I have always used wire antennas up to this point. But recently I was given
> a beam antenna.
>
> It is a Hy-Gain TH-4 best I can tell. Did not get paper work with it.
>
> Did get the manual on line for the TH-4. (looks the closet to what I have)
>
>
>
> Here is my problem.
>
>
>
> When I set up the beam at four feet off the ground, I can get the SWR
> perfect for the three bands, (10/15/20)
>
> using an antenna analyzer.
>
> However, when I put it up at 15 feet to test it for a week, SWR changes to
> no good. Back at four feet they are great.
>
>
>
> I know height above ground makes some difference, just not sure how to make
> the adjustments before it goes up.
>

Try adjusting it pointed straight up or at a high angle.

--
Dave Oldridge
Skype: daveoldridge
Ham Radio: VA7CZ

21554. Re: [ham-antennas] Help with beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 21:31:35 UTC
From: Kenneth Grimm
Topic: 21509 Message: 21554

On Sat, Dec 24, 2011 at 4:16 PM, Dave Oldridge <doldridg@...> wrote:

> On 23/12/2011 1:05 PM, Dwayne wrote:
> > Hello All,
> >
> > This is my first post to the group, and hopefully I will not dork it up.
> >
> > I have always used wire antennas up to this point. But recently I was
> given
> > a beam antenna.
> >
> > It is a Hy-Gain TH-4 best I can tell. Did not get paper work with it.
> >
> > Did get the manual on line for the TH-4. (looks the closet to what I
> have)
> >

> Here is my problem.
> >
> > When I set up the beam at four feet off the ground, I can get the SWR
> > perfect for the three bands, (10/15/20)
> >
> > using an antenna analyzer.
> >
> > However, when I put it up at 15 feet to test it for a week, SWR changes
> to
> > no good. Back at four feet they are great.
> >
> > I know height above ground makes some difference, just not sure how to
> make
> > the adjustments before it goes up.
> >
>
> Try adjusting it pointed straight up or at a high angle.
>
> --
> Dave Oldridge
>

I agree with Dave, point the antenna straight up and see if you can get
your SWR under control. Also, while it is a little difficult to read, you
might download the TH-4 manual from BAMA at the following address:
http://bama.edebris.com/manuals/hygain/th4-190/
I'm not sure what the "190" is all about, but the basic information should
be of some help in putting the antenna together. Actually, your message is
a little confusing. At one place you say that you got the TH-4 manual and

at another you suggest that it is something else.

73,
--
Ken - K4XL
BoatAnchor Manual Archive
BAMA - http://bama.edebris.com

[Non-text portions of this message have been removed]

21555. My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 21:53:51 UTC
From: yv5of
Topic: 21555 Message: 21555

Hi,

Happy Holidays and Merry Christmas to all.

Recently installed on the roof of a Hustler 5 BTV planning to change my antenna G5RV jr. Install two radials for each band, leaving an average of 1.5 swr at the center of each band.

But initial tests it seems that the antenna is deaf because they do not get to hear more distant stations, Argentina, Chile and USA in bands like 10m, 20m or 40m. With the G5RV jr. average having 4.5 swr on the bands and helped with an antenna tuner stations copied new zealand, region 1, Bosnia, Greece, Russia, Asia, etc..

This is normal for this type of antenna or do I have some component of BTV with the problem.

Thanks for the help I can provide.

Severino - YV5OF

21556. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 22:07:01 UTC
From: Ken
Topic: 21480 Message: 21556

On Dec 24, 2011, at 3:21 PM, Ron Youvan wrote:

> I don't think zinc is that bad of a conductor. (steel electric fence wire is galvanized)

The resistance of zinc it over three times higher than copper.

copper 17
zinc 59
iron 96
stainless 720

"The best electrical conductors: silver, copper, gold, aluminum, calcium, beryllium, tungsten"

Ken WA8JXM

21557. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 22:14:39 UTC
From: Ron Youvan
Topic: 21480 Message: 21557

Ken WA8JXM wrote:

> On Dec 24, 2011, at 3:21 PM, Ron Youvan wrote:

> > I don't think zinc is that bad of a conductor. (steel electric fence wire is galvanized)

> The resistance of zinc it over three times higher than copper.

> copper 17
> zinc 59
> iron 96
> stainless 720

> "The best electrical conductors: silver, copper, gold, aluminum, calcium, beryllium, tungsten"

Compared to steel, which is under it.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21558. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 22:24:33 UTC
From: Joe
Topic: 21480 Message: 21558

if it is all that bad, then most AM Broadcast antenna towers shouldn't radiate should they?

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 12/24/2011 4:14 PM, Ron Youvan wrote:
> Ken WA8JXM wrote:
>
>> On Dec 24, 2011, at 3:21 PM, Ron Youvan wrote:
>> > I don't think zinc is that bad of a conductor. (steel electric fence wire is galvanized)
>> The resistance of zinc it over three times higher than copper.
>> copper 17
>> zinc 59
>> iron 96
>> stainless 720
>> "The best electrical conductors: silver, copper, gold, aluminum, calcium, beryllium, tungsten"
> Compared to steel, which is under it.

[Non-text portions of this message have been removed]

21559. Re: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 22:58:00 UTC
From: Artekmedia
Topic: 21555 Message: 21559

Depending on the height of the G5RV I would expect the two antennas to
be within an S-unit of each other

one better on some signals the other slightly better on others.

My first suspect is the feed line to the 5BTV

Dave
NR1DX

On 12/24/2011 3:53 PM, yv5of wrote:
>
> Hi,
>
> Happy Holidays and Merry Christmas to all.
>
> Recently installed on the roof of a Hustler 5 BTV planning to change
> my antenna
> G5RV jr. Install two radials for each band, leaving an average of 1.5
> swr at the
> center of each band.
>
> But initial tests it seems that the antenna is deaf because they do
> not get to
> hear more distant stations, Argentina, Chile and USA in bands like
> 10m, 20m or
> 40m. With the G5RV jr. average having 4.5 swr on the bands and helped
> with an
> antenna tuner stations copied new zealand, region 1, Bosnia, Greece,
> Russia,
> Asia, etc..
>
> This is normal for this type of antenna or do I have some component of
> BTV with
> the problem.
>
> Thanks for the help I can provide.
>
> Severino - YV5OF
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com

PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21560. Conductivity of antenna materials

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 23:35:59 UTC
From: Robert Garland
Topic: 21480 Message: 21560

While we are getting picky about our conductors, how about the resistance and conductivity of a wet bedsheet?

Now, try it again with salt water.

NX3S

21561. Re: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-24 23:53:10 UTC
From: DVC3565@aol.com
Topic: 21555 Message: 21561

Severino,
What did you measure SWR with? Low SWR doesn't mean
THAT'S where your antenna is resonant. IF you have access to an
antenna meter, at what frequency is your feed point impedance at
between 33 and 50 ohms? The closer to 33 ohms, the better your
radial system is for THAT band. How are you feeding your antenna?
Coax? Open line to a balun to coax? or Coax to balun to antenna?
Any type of RF choke at bottom of the vertical? (to prevent RF on the
coax shield?
Need a little more info to help you out.
FYI- I have been using 4BTV, 5BTV, and 6BTV for almost 34 years.
So I have some knowledge about them. (And the sometimes heart-
ache of tunning them.)
Let me know..on or off list. I have a ton of notes I can scan and send you.
73,
Dave-KJ4PF

ES Metty Christmas!

In a message dated 12/24/2011 4:53:58 P.M. Eastern Standard Time,
yv5of.ve@... writes:

Hi,

Happy Holidays and Merry Christmas to all.

Recently installed on the roof of a Hustler 5 BTV planning to change my
antenna
G5RV jr. Install two radials for each band, leaving an average of 1.5 swr
at the
center of each band.

But initial tests it seems that the antenna is deaf because they do not
get to
hear more distant stations, Argentina, Chile and USA in bands like 10m,
20m or
40m. With the G5RV jr. average having 4.5 swr on the bands and helped with
an
antenna tuner stations copied new zealand, region 1, Bosnia, Greece,
Russia,
Asia, etc..

This is normal for this type of antenna or do I have some component of BTV
with
the problem.

Thanks for the help I can provide.

Severino - YV5OF

[Non-text portions of this message have been removed]

21562. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 00:18:38 UTC
From: Ken
Topic: 21480 Message: 21562

On Dec 24, 2011, at 5:24 PM, Joe wrote:

> if it is all that bad, then most AM Broadcast antenna towers shouldn't
> radiate should they?

Of course they radiate, as they SHOULD.

#1, they have a LOT larger conductor and probably 1000x the surface area so the percentage lost is lower than it would be with a wire antenna.

#2, the cost of putting up a copper tower of sufficient strength would horrendously more expensive, probably in the millions of dollars. OTOH, we are talking about only $15 more for copper wire than for galvanized.

YMMV but I would not use galvanized wire to save $10 or $15.

Do you use surplus RG-58 to save a couple of bucks too?

21563. Re: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 01:01:35 UTC
From: Severino Mastracci
Topic: 21555 Message: 21563

Many Thank´s for replay Dave,

1-. I use MFJ-229b Analyzer

For 10m Point High SWR 1.6 - 28.000 / Point Low SWR 28.570 1.1
For 15m Point High SWR 3.2 - 21.900 / Point Low SWR 21.300 1.0
For 20m Point High SWR 4.3 - 14.900 / Point Low SWR 14.300 1.2
For 40m all range 7.000 - 7.200 SWR 2.0 Average
For 80m range 3.560 - 3.670 SWR 1.8 Average

2-. I use for feeding LMR-200 same G5RV.

3-. Balum is Air Choke (Coaxial RG-8) Homemade. / Balum was on recommendation, but is i can remove it.

4-. Radial Cable #14

--
*YV5OF
Severino Mastracci. **
Twitter : @yv5of*
QRZ : http://www.qrz.com/yv5of <http://www.qrz.com/yy5cbk>
Locator: FK60OK
*ITU Zone : 12
CQ Zone : 9
Caracas / Venezuela
South América.*

[Non-text portions of this message have been removed]

21564. Re: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 01:25:35 UTC
From: Dan Schaaf
Topic: 21555 Message: 21564

Severino
The 10 meter SWR looks good.
The 15 meter SWR looks bad
The other bands not too good also.

On the BTV and all other trap verticals. the antenna must be adjusted starting with 10 meters, then 15 meters, then 20 meters etc etc.
Each lower band depends on the previous band to be adjusted correctly. So, if 15 meters is bad then 20 meters will be bad and 40 will be bad and so on.

So, you need to adjust the 15 meter band according to your manual.
Then adjust the 20 meter band after the 15 meter band looks correct.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: Severino Mastracci
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 24, 2011 8:01 PM
Subject: Re: [ham-antennas] My 5BTV not have good reception

Many Thank´s for replay Dave,

1-. I use MFJ-229b Analyzer

For 10m Point High SWR 1.6 - 28.000 / Point Low SWR 28.570 1.1
For 15m Point High SWR 3.2 - 21.900 / Point Low SWR 21.300 1.0
For 20m Point High SWR 4.3 - 14.900 / Point Low SWR 14.300 1.2
For 40m all range 7.000 - 7.200 SWR 2.0 Average
For 80m range 3.560 - 3.670 SWR 1.8 Average

2-. I use for feeding LMR-200 same G5RV.

3-. Balum is Air Choke (Coaxial RG-8) Homemade. / Balum was on recommendation, but is i can remove it.

4-. Radial Cable #14

--
*YV5OF
Severino Mastracci. **
Twitter : @yv5of*
QRZ : http://www.qrz.com/yv5of <http://www.qrz.com/yy5cbk>
Locator: FK60OK
*ITU Zone : 12
CQ Zone : 9
Caracas / Venezuela
South América.*

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21565. Re: [ham-antennas] J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 05:23:02 UTC
From: Stan Labinsky Jr.
Topic: 21535 Message: 21565

I recently came across an old article in QST, where a ham/commercial radio guy commented the he was loosing about a dB in the right angle adapter. He suggested using right angle Pl259 type connectors in any situation that demanded a right angle connection.

But, I'd even suggest staying away from attaching an SO238/PL259 to your antenna. The reason is that the PL259 connectors are NOT weather/water proof and water in the coax's shield will eventually create headaches, specifically the loss of the shielding function in the affected piece of cable with an attendant increase in loss. I've seen at least a ten foot run of ruined cable in a 2-way installation I recently had to repair... water dripping out of the connector at the radio end.

You'd do just as well as was suggested connecting the cable directly to the antenna but, you want to thoroughly seal the exposed shield and center conductor after making your attachment. Use a sealant that DOES NOT smell like vinegar as it cures. Vinegar, dilute acetic acid is corrosive to copper and will result in failed connections... seen those warnings many times, usually from folks who have been bitten.

Otherwise... have fun!

Stan

----- Original Message -----
From: Ed Stewart
To: Ham Antenna's
Sent: Saturday, December 24, 2011 10:55 AM
Subject: [ham-antennas] J-Pole question

I have a 1/2 inch copper tubing J-Pole antenna question. Which way would
be the best way to route the coax from the connection to the J-Pole, use
a 90 degree coax connector and run the coax down the support tied flat
or use a straight connector on the coax and make the coax loop down to
passed the short bottom stub of the J-Pole. I would like to use the 90
degree because it is more secure tied flush to the pvc support , but
don't know whether the coax running flush will efect the antenna's swr
or performace. Ed-KB3WRX
--

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21566. coating or painting fiberglass antennas for outdoor use

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 06:30:58 UTC
From: kj6ddf
Topic: 21566 Message: 21566

I recall reading a post somewhere that someone thought it was a good idea to paint or coat fiberglass antennas for outdoor use.
I have a 10'4" tall Comet CX-333 vertical and it's inside the attic, but I thought of trying it outdoors, perhaps the antenna police might not mind it much.
The question is, is it advisable to paint or coat the fiberglass to protect it from the elements? Or might it possibly be a bad idea? I don't know,
thanks
steve

21567. Re: [ham-antennas] J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 07:05:21 UTC
From: Todd F. Carney
Topic: 21535 Message: 21567

>>Use a sealant that DOES NOT smell like vinegar as it cures. Vinegar, dilute acetic acid is corrosive to copper and will result in >>failed connections...

Thanks, Stan! I've never heard that about acetic acid and copper. So I just did a quick Googling to confirm my suspicions: As far as I could tell, all silicone caulks, sealants, adhesives, etc. are moisture-curing, acetic acid types. Even the kind for aquariums. Gee, I've always thought of acetic acid as sort of benign. I used to have my hands deep into it in the darkroom: it's used for stop bath to neutralize the alkaline developer.

*So . . . . . the big question now is: what would be the best sealant to use for weather-proof electrical connections? How about roofing tar? A latex-type caulk? Layers of painted-on Dip-It tool handle plastic?

Don't anyone bother suggesting electrical tape! It falls off in the sun and leaves a very sticky mess behind. I hate the crap. Alright . . . okay, I use it once in a while for various purposes as it does sometimes fill-in for a better choice when one is not at hand. But, hey . . . we all have to be flexible, right?

Todd
KF7SIS
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Sat, Dec 24, 2011 at 9:23 PM, Stan Labinsky Jr. <stanbarb@frontiernet.net
> wrote:

> **
>
>
> I recently came across an old article in QST, where a ham/commercial radio
> guy commented the he was loosing about a dB in the right angle adapter. He
> suggested using right angle Pl259 type connectors in any situation that
> demanded a right angle connection.
>
> But, I'd even suggest staying away from attaching an SO238/PL259 to your

> antenna. The reason is that the PL259 connectors are NOT weather/water
> proof and water in the coax's shield will eventually create headaches,
> specifically the loss of the shielding function in the affected piece of
> cable with an attendant increase in loss. I've seen at least a ten foot run
> of ruined cable in a 2-way installation I recently had to repair... water
> dripping out of the connector at the radio end.
>
> You'd do just as well as was suggested connecting the cable directly to
> the antenna but, you want to thoroughly seal the exposed shield and center
> conductor after making your attachment. Use a sealant that DOES NOT smell
> like vinegar as it cures. Vinegar, dilute acetic acid is corrosive to
> copper and will result in failed connections... seen those warnings many
> times, usually from folks who have been bitten.
>
> Otherwise... have fun!
>
> Stan
>
>
> ----- Original Message -----
> From: Ed Stewart
> To: Ham Antenna's
> Sent: Saturday, December 24, 2011 10:55 AM
> Subject: [ham-antennas] J-Pole question
>
> I have a 1/2 inch copper tubing J-Pole antenna question. Which way would
> be the best way to route the coax from the connection to the J-Pole, use
> a 90 degree coax connector and run the coax down the support tied flat
> or use a straight connector on the coax and make the coax loop down to
> passed the short bottom stub of the J-Pole. I would like to use the 90
> degree because it is more secure tied flush to the pvc support , but
> don't know whether the coax running flush will efect the antenna's swr
> or performace. Ed-KB3WRX
> --
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21568. Re: [ham-antennas] coating or painting fiberglass antennas for outdoor use

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 07:06:54 UTC
From: From the desk of Allan Bell
Topic: 21566 Message: 21568

Yes, they can be painted with no effect on the SWR or anything.

I coated my Antron 99 last Summer with a Clear Polyurethane.

Allan

From: kj6ddf
Sent: Saturday, December 24, 2011 10:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] coating or painting fiberglass antennas for outdoor use

I recall reading a post somewhere that someone thought it was a good idea to paint or coat fiberglass antennas for outdoor use.
I have a 10'4" tall Comet CX-333 vertical and it's inside the attic, but I thought of trying it outdoors, perhaps the antenna police might not mind it much.
The question is, is it advisable to paint or coat the fiberglass to protect it from the elements? Or might it possibly be a bad idea? I don't know,
thanks
steve

[Non-text portions of this message have been removed]

21569. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 07:05:56 UTC
From: Adrian Flynn
Topic: 21480 Message: 21569

IF you live on a disability income like many of us do you might damn well
"use surplus RG-58 to save a couple of bucks "!!!
try living on about $1000 a month and see if you are singing the same tune.
Back in my hole.
BTW: I sign my messages why don't you?
73
Adrian KF7DYU

On Sat, Dec 24, 2011 at 7:18 PM, Ken <wa8jxm@...> wrote:

> **
>
>
>
> On Dec 24, 2011, at 5:24 PM, Joe wrote:
>
> > if it is all that bad, then most AM Broadcast antenna towers shouldn't
> > radiate should they?
>
> Of course they radiate, as they SHOULD.
>
> #1, they have a LOT larger conductor and probably 1000x the surface area
> so the percentage lost is lower than it would be with a wire antenna.
>
> #2, the cost of putting up a copper tower of sufficient strength would
> horrendously more expensive, probably in the millions of dollars. OTOH, we
> are talking about only $15 more for copper wire than for galvanized.
>
> YMMV but I would not use galvanized wire to save $10 or $15.
>
> Do you use surplus RG-58 to save a couple of bucks too?
>
>
>

[Non-text portions of this message have been removed]

21570. Re: [ham-antennas] coating or painting fiberglass antennas for outdoor use

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 07:40:03 UTC
From: Todd F. Carney
Topic: 21566 Message: 21570

*In boat building, the rule is to always paint any fiberglass exposed to the sun. The issue is with UV. This is a great deal more important if the laminating resin used is epoxy than it is with polyester. There are UV-absorbing clear varnishes or urethanes, though you may need to look toward boat materials suppliers to find. Varathane may have a UV-blocking varnish at Home Despot or Blowes.

I like to paint my stuff flat black. You know, like the stealth bomber. I use good-ol' Rustolium, but I paint it on rather than spray it. I finally got tired of the expensive cans, half of which either blows in the direction opposite my workpiece, and a quarter of which blows straight up my nose. Only a quarter gets on the piece. So I tried their canned paint and I love it. I use a foam brush for a smooth finish, and flat shows little in the way of brush marks anyway. I bought a little 8-oz can and I've painted several masts and j-poles with it, three coats usually. I still have about half left.

Todd
KF7SIS

*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Sat, Dec 24, 2011 at 11:06 PM, From the desk of Allan Bell <
grey_wolf2011@...> wrote:

> **
>
>
> Yes, they can be painted with no effect on the SWR or anything.
>
> I coated my Antron 99 last Summer with a Clear Polyurethane.
>
> Allan
>
> From: kj6ddf

> Sent: Saturday, December 24, 2011 10:30 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] coating or painting fiberglass antennas for
> outdoor use
>
> I recall reading a post somewhere that someone thought it was a good idea
> to paint or coat fiberglass antennas for outdoor use.
> I have a 10'4" tall Comet CX-333 vertical and it's inside the attic, but I
> thought of trying it outdoors, perhaps the antenna police might not mind it
> much.
> The question is, is it advisable to paint or coat the fiberglass to
> protect it from the elements? Or might it possibly be a bad idea? I don't
> know,
> thanks
> steve
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21571. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 07:48:42 UTC
From: Todd F. Carney
Topic: 21480 Message: 21571

*Adrian,

If you ate canned dog food you could afford better coax. [?] [?] [?]

Todd
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Sat, Dec 24, 2011 at 11:05 PM, Adrian Flynn
<ADRIANJAMESFLYNN@...>wrote:

> IF you live on a disability income like many of us do you might damn well
> "use surplus RG-58 to save a couple of bucks "!!!
> try living on about $1000 a month and see if you are singing the same tune.
> Back in my hole.
> *BTW: I sign my messages why don't you?*
> 73
> Adrian KF7DYU
>
> On Sat, Dec 24, 2011 at 7:18 PM, Ken <wa8jxm@...> wrote:
>
> > **
> > >
> > >
> > >
> > > On Dec 24, 2011, at 5:24 PM, Joe wrote:
> > >
> > > > if it is all that bad, then most AM Broadcast antenna towers shouldn't
> > > > radiate should they?
> > >
> > > Of course they radiate, as they SHOULD.
> > >
> > > #1, they have a LOT larger conductor and probably 1000x the surface area
> > > so the percentage lost is lower than it would be with a wire antenna.
> > >
> > > #2, the cost of putting up a copper tower of sufficient strength would

> > horrendously more expensive, probably in the millions of dollars. OTOH,
> we
> > are talking about only $15 more for copper wire than for galvanized.
> >
> > YMMV but I would not use galvanized wire to save $10 or $15.
> >
> > Do you use surplus RG-58 to save a couple of bucks too?
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

21572. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 07:56:13 UTC
From: Adrian Flynn
Topic: 21480 Message: 21572

Todd,

Why don't you try it?
Send me the differance in cost IF ANY!

73
Adrian KF7DYU

On Sun, Dec 25, 2011 at 2:48 AM, Todd F. Carney <carneytf@gmail.com> wrote:

> **
>
>
> *Adrian,
>
> If you ate canned dog food you could afford better coax. [?] [?] [?]
>
> Todd
> *
> --
> KF7SIS<
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20
%20%20%20%5E
> >/
>
> Medford, Oregon / (541) 951-5702
>
> "Done is better than perfect." --Anonymous
> *
> *
> *
> *
>
> On Sat, Dec 24, 2011 at 11:05 PM, Adrian Flynn
> <ADRIANJAMESFLYNN@...>wrote:
>
>
> > IF you live on a disability income like many of us do you might damn well
> > "use surplus RG-58 to save a couple of bucks "!!!
> > try living on about $1000 a month and see if you are singing the same
> tune.
> > Back in my hole.
> > *BTW: I sign my messages why don't you?*
>
> > 73

> > Adrian KF7DYU
> >
> > On Sat, Dec 24, 2011 at 7:18 PM, Ken <wa8jxm@...> wrote:
> >
> > > **
>
> > >
> > >
> > >
> > > On Dec 24, 2011, at 5:24 PM, Joe wrote:
> > >
> > > > if it is all that bad, then most AM Broadcast antenna towers
> shouldn't
> > > > radiate should they?
> > >
> > > Of course they radiate, as they SHOULD.
> > >
> > > #1, they have a LOT larger conductor and probably 1000x the surface
> area
> > > so the percentage lost is lower than it would be with a wire antenna.
> > >
> > > #2, the cost of putting up a copper tower of sufficient strength would
> > > horrendously more expensive, probably in the millions of dollars. OTOH,
> > we
> > > are talking about only $15 more for copper wire than for galvanized.
> > >
> > > YMMV but I would not use galvanized wire to save $10 or $15.
> > >
> > > Do you use surplus RG-58 to save a couple of bucks too?
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > > ------------------------------------
>
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> > > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be
> > > cause for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > List owner: ham-antennas-owner@yahoogroups.com

> > Yahoo! Groups Links
>
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21573. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 08:15:24 UTC
From: Todd F. Carney
Topic: 21480 Message: 21573

*Adrian,

Merry Christmas!

You stay up late like I do. I hope I didn't offend you. But I thought of
that old joke about the woman who fed her husband dog food to save money.
She told her friend about it who was then shocked when the man died. "Do
you think it was the dog food?" the friend asked. "No. He was just laying
in the street licking his nuts and he got run over by a truck."

Happy New Year, too. And happy QSOs as well.

73,

Todd

*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Sat, Dec 24, 2011 at 11:56 PM, Adrian Flynn
<ADRIANJAMESFLYNN@...>wrote:

> Todd,
>
> Why don't you try it?
> Send me the differance in cost IF ANY!
>
>
> 73
> Adrian KF7DYU
>
>
> On Sun, Dec 25, 2011 at 2:48 AM, Todd F. Carney <carneytf@...>
> wrote:
>
> > **
> >

> >
> > *Adrian,
> >
> > If you ate canned dog food you could afford better coax. [?] [?] [?]
> >
> > Todd
> > *
> > --
> > KF7SIS<
> >
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20
%20%20%20%5E
> > >/
> >
> > Medford, Oregon / (541) 951-5702
> >
> > "Done is better than perfect." --Anonymous
> > *
> > *
> > *
> > *
> >
> > On Sat, Dec 24, 2011 at 11:05 PM, Adrian Flynn
> > <ADRIANJAMESFLYNN@...>wrote:
> >
> >
> > > IF you live on a disability income like many of us do you might damn
> well
> > > "use surplus RG-58 to save a couple of bucks "!!!
> > > try living on about $1000 a month and see if you are singing the same
> > tune.
> > > Back in my hole.
> > > *BTW: I sign my messages why don't you?*
> >
> > > 73
> > > Adrian KF7DYU
> > >
> > > On Sat, Dec 24, 2011 at 7:18 PM, Ken <wa8jxm@...> wrote:
> > >
> > > > **
> >
> > > > >
> > > > >
> > > > >
> > > > On Dec 24, 2011, at 5:24 PM, Joe wrote:
> > > > >
> > > > > > if it is all that bad, then most AM Broadcast antenna towers
> > shouldn't
> > > > > > radiate should they?
> > > > >

> > > > Of course they radiate, as they SHOULD.
> > > >
> > > > #1, they have a LOT larger conductor and probably 1000x the surface
> > area
> > > > so the percentage lost is lower than it would be with a wire antenna.
> > > >
> > > > #2, the cost of putting up a copper tower of sufficient strength
> would
> > > > horrendously more expensive, probably in the millions of dollars.
> OTOH,
> > > we
> > > > are talking about only $15 more for copper wire than for galvanized.
> > > >
> > > > YMMV but I would not use galvanized wire to save $10 or $15.
> > > >
> > > > Do you use surplus RG-58 to save a couple of bucks too?
> > > >
> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > > ------------------------------------
> >
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> > go
> > > to ALL 2752 members (as of 10/30/11). and attachments are NOT
> permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be
> > > cause for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > List owner: ham-antennas-owner@yahoogroups.com
> > > Yahoo! Groups Links
> >
> > >
> > >
> > >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >

>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

21574. RE: [ham-antennas] J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 08:23:19 UTC
From: jo barden
Topic: 21535 Message: 21574

Hi Todd

the old way was (as far as I know it anyway) cover with Vulcanised India Rubber (VIR) or self amalgamating tape and then pvc insulation tape. the pvc was by way of UV sacrificial to protect the undertape. I asked about "Plasti-dip" a while back and since then I read a bit in "Antennas from the ground up, vol 2" that Cebik also used Plasti-dip so you may want to consider this.

My own view is to annually check antennas and feedlines as part of the station maintenance. I do this for my HF antennas but my VHF/UHF WatsonW- 2000 is a bit awkward to get at so it is left alone (bad practice I know).

there are some aquarium sealants without acetic acid as I had to get some to repair our Axolotl tank, it takes a little longer to go "off" though. I would look for exotic/reptile shops for it. Well here in the UK they are exotic.

Enjoy your turkey.

Jon

G6UWK

> To: ham-antennas@yahoogroups.com
> From: carneytf@...
> Date: Sat, 24 Dec 2011 23:05:21 -0800
> Subject: Re: [ham-antennas] J-Pole question
>
> >>Use a sealant that DOES NOT smell like vinegar as it cures. Vinegar,
> dilute acetic acid is corrosive to copper and will result in >>failed
> connections...
>
> *Thanks, Stan! I've never heard that about acetic acid and copper. So I
> just did a quick Googling to confirm my suspicions: As far as I could tell, all
> silicone caulks, sealants, adhesives, etc. are moisture-curing, acetic acid
> types. Even the kind for aquariums. Gee, I've always thought of acetic acid
> as sort of benign. I used to have my hands deep into it in the darkroom:
> it's used for stop bath to neutralize the alkaline developer.*
>
> *So . . . . . the big question now is: what would be the best sealant to
> use for weather-proof electrical connections? How about roofing tar? A
> latex-type caulk? Layers of painted-on Dip-It tool handle plastic?
>
> Don't anyone bother suggesting electrical tape! It falls off in the sun and
> leaves a very sticky mess behind. I hate the crap. Alright . . . okay, I
> use it once in a while for various purposes as it does sometimes fill-in
> for a better choice when one is not at hand. But, hey . . . we all have to
> be flexible, right?

>
> Todd
> KF7SIS
> *
> ---
> KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
> Medford, Oregon / (541) 951-5702
>
> "Done is better than perfect." --Anonymous
> *
> *
> *
> *
>
>
>
> On Sat, Dec 24, 2011 at 9:23 PM, Stan Labinsky Jr. <stanbarb@...
> > wrote:
>
> > **
> >
> >
> > I recently came across an old article in QST, where a ham/commercial radio
> > guy commented the he was loosing about a dB in the right angle adapter. He
> > suggested using right angle Pl259 type connectors in any situation that
> > demanded a right angle connection.
> >
> > But, I'd even suggest staying away from attaching an SO238/PL259 to your
> > antenna. The reason is that the PL259 connectors are NOT weather/water
> > proof and water in the coax's shield will eventually create headaches,
> > specifically the loss of the shielding function in the affected piece of
> > cable with an attendant increase in loss. I've seen at least a ten foot run
> > of ruined cable in a 2-way installation I recently had to repair... water
> > dripping out of the connector at the radio end.
> >
> > You'd do just as well as was suggested connecting the cable directly to
> > the antenna but, you want to thoroughly seal the exposed shield and center
> > conductor after making your attachment. Use a sealant that DOES NOT smell
> > like vinegar as it cures. Vinegar, dilute acetic acid is corrosive to
> > copper and will result in failed connections... seen those warnings many
> > times, usually from folks who have been bitten.
> >
> > Otherwise... have fun!
> >
> > Stan
> >
> >
> > ----- Original Message -----
> > From: Ed Stewart

> > To: Ham Antenna's
> > Sent: Saturday, December 24, 2011 10:55 AM
> > Subject: [ham-antennas] J-Pole question
> >
> > I have a 1/2 inch copper tubing J-Pole antenna question. Which way would
> > be the best way to route the coax from the connection to the J-Pole, use
> > a 90 degree coax connector and run the coax down the support tied flat
> > or use a straight connector on the coax and make the coax loop down to
> > passed the short bottom stub of the J-Pole. I would like to use the 90
> > degree because it is more secure tied flush to the pvc support , but
> > don't know whether the coax running flush will efect the antenna's swr
> > or performace. Ed-KB3WRX
> > --
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21575. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 08:35:15 UTC
From: Adrian Flynn
Topic: 21480 Message: 21575

Todd,
Didn't offend me at all.
I have had things trrown at me all my life as I am FAT to start
with and I just reply to them basicly with a "Walk in my shoes for a mile"
type comment.
I have had to really learn to pull my horns in and reause since I went
disabled about 14 years ago.
It was a *major shock* to go from taking home $1,500 a week to living on
$850 a month!!!
That was after using my retirement to live on for 3 years while fighting
the
Government for my disability, I was turned down as being fit for work when
I couldn't walk across a room or stay awake more than 20 to 30 minutes at
a time due to lack of oxygen.
My lungs were toast from Asthma, smoking and the final straw was inhaling
LIME DUST for 17 hours on the job one day. Employer provided no filter
mask or any thing while I was driving my truck in a 3/4 mile circle hauling
re dried lime from the hotplant to the grizzly to re stack it.
(The man dumping my truck didn't have a mask either and he had blood
coming out of his nose in about 7 hours and was spitting up blood before
the end of the day, I never say him again & I would not be surprised if he
died later that night!)
I had my windows closed and AC set to recirculate but at end of 17 hours
I had a layer of lime dust 2 inches deep on everything in the truck.
I used a 1 1/2 inch fire hose to clean it out and still had dust showing up
to
be re cleaned for a week.

I hope I didn't offend you with my reply but it falls in line with my
"Walk a mile in my shoes", I have walked many miles in my old shoes and I
wish I could do it today, you have a Merry Christmas and enjoy your family
to the Max!

73
Adrian KF7DYU

On Sun, Dec 25, 2011 at 3:15 AM, Todd F. Carney <carneytf@...> wrote:

> **
>
>
> *Adrian,
>
> Merry Christmas!
>

> You stay up late like I do. I hope I didn't offend you. But I thought of
> that old joke about the woman who fed her husband dog food to save money.
> She told her friend about it who was then shocked when the man died. "Do
> you think it was the dog food?" the friend asked. "No. He was just laying
> in the street licking his nuts and he got run over by a truck."
>
> Happy New Year, too. And happy QSOs as well.
>
> 73,
>
>
> Todd
>
> *
> --
> KF7SIS<
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20
%20%20%20%5E
> >/
> Medford, Oregon / (541) 951-5702
>
> "Done is better than perfect." --Anonymous
> *
> *
> *
> *
>
> On Sat, Dec 24, 2011 at 11:56 PM, Adrian Flynn
> <ADRIANJAMESFLYNN@...>wrote:
>
> > Todd,
> >
> > Why don't you try it?
> > Send me the differance in cost IF ANY!
> >
> >
> > 73
> > Adrian KF7DYU
> >
> >
> > On Sun, Dec 25, 2011 at 2:48 AM, Todd F. Carney <carneytf@...>
> > wrote:
> >
> > > **
>
> > >
> > >
> > > *Adrian,
> > >
> > > If you ate canned dog food you could afford better coax. [?] [?] [?]

> > >
> > > Todd
> > > *
> > > ----------
> > > KF7SIS<
> > >
> >
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20
%20%20%20%5E
> > > >/
> > >
> > > Medford, Oregon / (541) 951-5702
> > >
> > > "Done is better than perfect." --Anonymous
> > > *
> > > *
> > > *
> > > *
> > >
> > > On Sat, Dec 24, 2011 at 11:05 PM, Adrian Flynn
> > > <ADRIANJAMESFLYNN@gmail.com>wrote:
> > >
> > >
> > > > IF you live on a disability income like many of us do you might damn
> > well
> > > > "use surplus RG-58 to save a couple of bucks "!!!
> > > > try living on about $1000 a month and see if you are singing the same
> > > tune.
> > > > Back in my hole.
> > > > *BTW: I sign my messages why don't you?*
> > >
> > > > 73
> > > > Adrian KF7DYU
> > > >
> > > > On Sat, Dec 24, 2011 at 7:18 PM, Ken <wa8jxm@...> wrote:
> > > >
> > > > > **
> > >
> > > > >
> > > > >
> > > > >
> > > > > On Dec 24, 2011, at 5:24 PM, Joe wrote:
> > > > >
> > > > > > if it is all that bad, then most AM Broadcast antenna towers
> > > shouldn't
> > > > > > radiate should they?
> > > > >
> > > > > Of course they radiate, as they SHOULD.
> > > > >
> > > > > #1, they have a LOT larger conductor and probably 1000x the surface

> > > area
> > > > > so the percentage lost is lower than it would be with a wire
> antenna.
> > > > >
> > > > > #2, the cost of putting up a copper tower of sufficient strength
> > would
> > > > > horrendously more expensive, probably in the millions of dollars.
> > OTOH,
> > > > > we
> > > > > are talking about only $15 more for copper wire than for
> galvanized.
> > > > >
> > > > > YMMV but I would not use galvanized wire to save $10 or $15.
> > > > >
> > > > > Do you use surplus RG-58 to save a couple of bucks too?
> > > > >
> > > > >
> > > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
> > > > ------------------------------------
> > >
> > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies
> > > go
> > > > to ALL 2752 members (as of 10/30/11). and attachments are NOT
> > permitted.
> > > > Any statements in ANY post that may be construed as inflamatory MAY
> be
> > > > cause for suspension. Moderators WILL have final say in these
> matters.
> > > > Post message: ham-antennas@yahoogroups.com
> > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > > List owner: ham-antennas-owner@yahoogroups.com
> > > > Yahoo! Groups Links
> > >
> > > >
> > > >
> > > >
> > > >
> > > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >

> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21576. RE: [ham-antennas] J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 13:54:21 UTC
From: Richard Schmuke
Topic: 21535 Message: 21576

Check out DAP Silicone Plus,(thanks to K5EST) it is what you are looking
for. You can also get it in a small tube, black , with auto parts but the
auto parts is more expensive for a smaller tube.
Rich , Kd0zz

Thanks, Stan! I've never heard that about acetic acid and copper. So I
just did a quick Googling to confirm my suspicions: As far as I could tell,
all
silicone caulks, sealants, adhesives, etc. are moisture-curing, acetic acid
types. Even the kind for aquariums. Gee, I've always thought of acetic acid
as sort of benign. I used to have my hands deep into it in the darkroom:
it's used for stop bath to neutralize the alkaline developer.*

*So . . . . . the big question now is: what would be the best sealant to
use for weather-proof electrical connections? How about roofing tar? A
latex-type caulk? Layers of painted-on Dip-It tool handle plastic?

Don't anyone bother suggesting electrical tape! It falls off in the sun and
leaves a very sticky mess behind. I hate the crap. Alright . . . okay, I
use it once in a while for various purposes as it does sometimes fill-in
for a better choice when one is not at hand. But, hey . . . we all have to
be flexible, right?

Todd
KF7SIS
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20
KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Sat, Dec 24, 2011 at 9:23 PM, Stan Labinsky Jr. <stanbarb@...
> wrote:

> **
>
>
> I recently came across an old article in QST, where a ham/commercial radio
> guy commented the he was loosing about a dB in the right angle adapter. He
> suggested using right angle Pl259 type connectors in any situation that

> demanded a right angle connection.
>
> But, I'd even suggest staying away from attaching an SO238/PL259 to your
> antenna. The reason is that the PL259 connectors are NOT weather/water
> proof and water in the coax's shield will eventually create headaches,
> specifically the loss of the shielding function in the affected piece of
> cable with an attendant increase in loss. I've seen at least a ten foot
run
> of ruined cable in a 2-way installation I recently had to repair... water
> dripping out of the connector at the radio end.
>
> You'd do just as well as was suggested connecting the cable directly to
> the antenna but, you want to thoroughly seal the exposed shield and center
> conductor after making your attachment. Use a sealant that DOES NOT smell
> like vinegar as it cures. Vinegar, dilute acetic acid is corrosive to
> copper and will result in failed connections... seen those warnings many
> times, usually from folks who have been bitten.
>
> Otherwise... have fun!
>
> Stan
>
>
> ----- Original Message -----
> From: Ed Stewart
> To: Ham Antenna's
> Sent: Saturday, December 24, 2011 10:55 AM
> Subject: [ham-antennas] J-Pole question
>
> I have a 1/2 inch copper tubing J-Pole antenna question. Which way would
> be the best way to route the coax from the connection to the J-Pole, use
> a 90 degree coax connector and run the coax down the support tied flat
> or use a straight connector on the coax and make the coax loop down to
> passed the short bottom stub of the J-Pole. I would like to use the 90
> degree because it is more secure tied flush to the pvc support , but
> don't know whether the coax running flush will efect the antenna's swr
> or performace. Ed-KB3WRX
> --
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21577. Re: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 14:50:38 UTC
From: Severino Mastracci
Topic: 21555 Message: 21577

Dave thanks for the info,

I will work this week to adjust the antenna. These adjustments should improve the SWR, and also help improve the reception?

Severino - YV5OF

[Non-text portions of this message have been removed]

21578. Re: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 15:01:57 UTC
From: Dan Schaaf
Topic: 21555 Message: 21578

Severino
Did you reply to me , Dan ?
If yes, well, proper adjustments of each band segment starting at the highest frequency (10 meters) and then the next band , 15 and then the next 20 and so on, will certainly improve the SWR and therefore the efficiency . I assume that you have at least 20 to 30 radials on the ground. You must install the radials FIRST !!!

I do not know if it will make a large improvement in receiving since receiving really depends on the propagation. Propagation changes all the time.

But, before you can worry about receiving, you need to make sure that the antenna is installed and adjusted properly. Please look at this article from DX Engineering.
http://www.dxengineering.com/pdf/BTV-INSTALL-GUIDE-Rev0b.pdf

If you follow this article, you will surely have a well working antenna.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: Severino Mastracci
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 25, 2011 9:50 AM
Subject: Re: [ham-antennas] My 5BTV not have good reception

Dave thanks for the info,

I will work this week to adjust the antenna. These adjustments should
improve the SWR, and also help improve the reception?

Severino - YV5OF

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21579. Re: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 15:03:59 UTC
From: Severino Mastracci
Topic: 21555 Message: 21579

Yes Dan, i`m reply your email.
El 25/12/2011 10:31, "Dan Schaaf" <dan-schaaf@...> escribi?:

> **
>
>
> Severino
> Did you reply to me , Dan ?
> If yes, well, proper adjustments of each band segment starting at the
> highest frequency (10 meters) and then the next band , 15 and then the
> next 20 and so on, will certainly improve the SWR and therefore the
> efficiency . I assume that you have at least 20 to 30 radials on the
> ground. You must install the radials FIRST !!!
>
> I do not know if it will make a large improvement in receiving since
> receiving really depends on the propagation. Propagation changes all the
> time.
>
> But, before you can worry about receiving, you need to make sure that the
> antenna is installed and adjusted properly. Please look at this article
> from DX Engineering.
> http://www.dxengineering.com/pdf/BTV-INSTALL-GUIDE-Rev0b.pdf
>
> If you follow this article, you will surely have a well working antenna.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> "Problems cannot be solved by the same level of thinking that created
> them." - Albert Einstein
>
> ----- Original Message -----
> From: Severino Mastracci
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, December 25, 2011 9:50 AM
> Subject: Re: [ham-antennas] My 5BTV not have good reception
>
> Dave thanks for the info,
>
> I will work this week to adjust the antenna. These adjustments should

> improve the SWR, and also help improve the reception?
>
> Severino - YV5OF
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21580. Re: My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 15:44:58 UTC
From: kb7gl
Topic: 21555 Message: 21580

Severino --

Dan's info is solid. I have a 4BTV with the 17M & 30M kits over 36 radials, on the ground. While trap verticals are a compromise, you should still be able to get very good performance on all bands.

Insuring that your radials are cut properly is a big part of it; it might be helpful to add a couple of radials per band.

With careful tuning, per the instructions from DX Engineering, this antenna can be a good performer.

73, Vic KB7GL

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> Severino
> The 10 meter SWR looks good.
> The 15 meter SWR looks bad
> The other bands not too good also.
>
> On the BTV and all other trap verticals. the antenna must be adjusted starting with 10 meters, then 15 meters, then 20 meters etc etc.
> Each lower band depends on the previous band to be adjusted correctly. So, if 15 meters is bad then 20 meters will be bad and 40 will be bad and so on.
>
> So, you need to adjust the 15 meter band according to your manual.
> Then adjust the 20 meter band after the 15 meter band looks correct.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>

21581. G800SA Yaesu rotor control unit

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 15:50:45 UTC
From: Dave
Topic: 21581 Message: 21581

I have an 11 month old G800SA rotor. After 6 months in operation, it suddenly stopped working. When I put my ear on the cabinet of the controller, I could hear a faint hum. No light, no action when operating the rocker switch. I have another, identical 5 year old rotor. I used it to make sure the problem was not the rotor itself , or the cable.

Sent to to Yaesu in CA said they couldn't get the part to fix it. When they sent it back it has a very loud hum when plugged in, even with switch in off position.

I'm looking for a replacement controller unit or suggestions or who might be able to fix mine.

Sorry for the lengthy post.

Thanks NB5B

Sun Dec 25, 2011 9:42 am

Show Message Option
"Dave" <dward42586@...>
dward42586

21582. Re: [ham-antennas] G800SA Yaesu rotor control unit

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 16:05:39 UTC
From: Ron Youvan
Topic: 21581 Message: 21582

Dave NB5B wrote:

> I have an 11 month old G800SA rotor. After 6 months in operation, it suddenly stopped working. When
> I put my ear on the cabinet of the controller, I could hear a faint hum. No light, no action when
> operating the rocker switch. I have another, identical 5 year old rotor. I used it to make sure the
> problem was not the rotor itself, or the cable.

> Sent to to Yaesu in CA said they couldn't get the part to fix it. When they sent it back it has a
> very loud hum when plugged in, even with switch in off position.

That is absolutely pitiful that the "Yaesu repair station" couldn't fix a Yaesu product that is
under a year old, and I am a Yaesu loving man.

> I'm looking for a replacement controller unit or suggestions or who might be able to fix mine.

Look for a friendly local repair HAM that is willing give you a hand, baring that look for a
local TV/radio/everything electronic repair store, preferably one that run by a HAM, pay him what he
his time and training is worth.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21583. RE: [ham-antennas] G800SA Yaesu rotor control unit

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 16:06:27 UTC
From: KA9EGW
Topic: 21581 Message: 21583

It's less than a year old [and presumably still under warranty?] and they won't make it right?

Good to know.

ARL SIXTY ONE
73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dave
Sent: Sunday, December 25, 2011 9:51 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] G800SA Yaesu rotor control unit

I have an 11 month old G800SA rotor. After 6 months in operation, it suddenly stopped working. When I put my ear on the cabinet of the controller, I could hear a faint hum. No light, no action when operating the rocker switch. I have another, identical 5 year old rotor. I used it to make sure the problem was not the rotor itself , or the cable.

Sent to to Yaesu in CA said they couldn't get the part to fix it. When they sent it back it has a very loud hum when plugged in, even with switch in off position.

I'm looking for a replacement controller unit or suggestions or who might be able to fix mine.

Sorry for the lengthy post.

Thanks NB5B

Sun Dec 25, 2011 9:42 am

Show Message Option
"Dave" <dward42586@...>
dward42586

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

21584. RE: [ham-antennas] Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 16:08:08 UTC
From: goldtr8@charter.net
Topic: 21532 Message: 21584

Jon,

Get it up in the air and check it out for SWR and so on, before you cut the wire. I wound up adding more wire to make mine work so there are multiple splices in my system. I would think it would be nice to know where you are at before you make adjustments.

Merry Christmas

~73
Don
KD8NNU

On Sat, Dec 24, 2011 at 9:06 AM, Jon wrote:

I am about to finally erect a 160M loop. It will be as high as I can get it and as near to being square as I can get it. It will be made out of 18ga stranded and insulated copper fed with 450ohn ladder line. I'm not sure if I will put a balun ad the outside wall of the shack and rg8 on in to the tuner or run it on in to the tuner. My calculations say it should be 515'. The question comes from various pieces of "advice" vary. It will be used as a multi band antenna. I thought it should be the calculated length to work better with all bands but I've been told it makes no difference. Why I'm asking is my piece of wire is 560' and I could manage to get it all up and before I cut it would like to hear from those that KNOW from use and are willing to share the information.

Thanks for the help

73 de Jon - N0IGU

<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

21585. Re: [ham-antennas] Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 16:13:47 UTC
From: doug pfaff
Topic: 21532 Message: 21585

Jon

Try using your tower with a wire stood off the tower and a base load coil.one of the older hams who had lots of money and time to build things you need a good tuner as it still a very short antenna for broadcast band frequencies.

Look at the AM broadcast towers in your area believe there a quarter wave length and your much less shorter than that.

You must have a hugh piece of real estate and lot of supporting structures to tie it too.

Remember proximity to ground and suppoet structures to support it will make a impact on thefinal reading.

My loop was to close to the ground situation like 3 metres max or grounded infrastructures it made a difference of over two feet on the calculation for the lowend of the band on 20 m.

As other have comment it hears things that a dipole vertical or other wire antenna can't.

So remember to take actual readings and make actual adjustments for your site conditions and not rely on the textbook diagrams etc my exterior finish of stuco has an effect on design length

Doug ve5dcp

Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: Jon
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 24, 2011 8:06 AM
Subject: [ham-antennas] Question about building 160M horizontal loop

I am about to finally erect a 160M loop. It will be as high as I can get it and as near to being square as I can get it. It will be made out of 18ga stranded and insulated copper fed with 450ohn ladder line. I'm not sure if I will put a balun ad the outside wall of the shack and rg8 on in to the tuner or run it on in to the tuner. My calculations say it should be 515'. The question comes from various pieces of "advice" vary. It will be used as a multi band antenna. I thought it should be the calculated length to work better with all bands but I've been told it makes no difference. Why I'm asking is my piece of wire is 560' and I could manage to get it all up and before I cut it would like to hear from those that KNOW from use and are willing to share the information.

Thanks for the help

73 de Jon - N0IGU

[Non-text portions of this message have been removed]

21586. Re: [ham-antennas] Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 16:21:28 UTC
From: Ron Youvan
Topic: 21532 Message: 21586

Don KD8NNU goldtr8@... wrote:

> Get it up in the air and check it out for SWR and so on, before you cut
> the wire. I wound up adding more wire to make mine work so there are
> multiple splices in my system. I would think it would be nice to know
> where you are at before you make adjustments.

You don't ever have to cut your wire. I cut each half of a 40 meter dipole about 6 feet too long
and I fold the high Voltage ends back through the end insulator and secure it with a small "split
bolt," an electrical fitting. It doesn't matter whether the wire is insulated or bare.
(folded back wire cancels the wire folded over)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21587. RE: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 16:27:38 UTC
From: Richard Schmuke
Topic: 21480 Message: 21587

Adrian, if you follow any of my posts or have seen my photobucket you would also get the idea I am on a fixed income that is why I try to make as much as I can . I understand working with what you have on hand. I am lucky I have most of my fingers and can still do some things.
I also understand how employers in the past did not protect their people as many due today but there was not things like MSDS like there are today. Back when I built model airplanes for a living the cutting fluid in the machines was bad for you , then when it came off the machine you took it to the vapor degreaser and got the fumes from the tri-clor in your lungs. Next step was to solder pressure test sensors into the stainless steel with fumes coming up from the acid flux. If you made a mistake you could braze in a patch and sniff the cadmium fumes from the rods they used then. Later I moved to the other end of the test lab and did fatigue and static testing. We cleaned the skins with a strong solvent that was latter outlawed but we continued to get it under a chemical mix combination to get it shipped to us. We had every solvent you could think of in 55 gal drums. All testing was also counterbalanced by several thousand pounds of lead. We made up our own lead weights until the last 10 years. I sure miss the good old days. Gee you wonder why I got cancer in my throat and neck.
Rich , Kd0zz

Todd,
Didn't offend me at all.
I have had things trrown at me all my life as I am FAT to start with and I just reply to them basicly with a "Walk in my shoes for a mile" type comment.
I have had to really learn to pull my horns in and reause since I went disabled about 14 years ago.
It was a *major shock* to go from taking home $1,500 a week to living on $850 a month!!!
That was after using my retirement to live on for 3 years while fighting the
Government for my disability, I was turned down as being fit for work when I couldn't walk across a room or stay awake more than 20 to 30 minutes at a time due to lack of oxygen.
My lungs were toast from Asthma, smoking and the final straw was inhaling LIME DUST for 17 hours on the job one day. Employer provided no filter mask or any thing while I was driving my truck in a 3/4 mile circle hauling re dried lime from the hotplant to the grizzly to re stack it.
(The man dumping my truck didn't have a mask either and he had blood coming out of his nose in about 7 hours and was spitting up blood before the end of the day, I never say him again & I would not be surprised if he died later that night!)
I had my windows closed and AC set to recirculate but at end of 17 hours

I had a layer of lime dust 2 inches deep on everything in the truck.
I used a 1 1/2 inch fire hose to clean it out and still had dust showing up
to
be re cleaned for a week.

I hope I didn't offend you with my reply but it falls in line with my
"Walk a mile in my shoes", I have walked many miles in my old shoes and I
wish I could do it today, you have a Merry Christmas and enjoy your family
to the Max!

73
Adrian KF7DYU

s/

21588. Re: anyone used or heard of using 20/22 ga galvanized fence wire for

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 16:45:16 UTC
From: James Irving
Topic: 21544 Message: 21588

Well.....

Instead of kicking a opinions around, why not just model a dipole using copper wire and then compare it models using different types of wire.

If I remember correctly, it doesn't make as much a difference as you'd think it should.

Any antenna radiates better than no antenna.....

Jim, k9jfk

[Non-text portions of this message have been removed]

21589. Re: [ham-antennas] Digest Number 2418

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 17:01:30 UTC
From: allanstern@aol.com
Topic: 21589 Message: 21589

Allan Bell" grey_wolf2011@... allan_bell1958 posted:
>
> I coated my Antron 99 last Summer with a Clear Polyurethane.

Certainly a good idea here in Florida where the salt air and sun wreak
havoc on the 99.

AL STERN Satellite Beach FL
AllanStern@...
http://www.facebook.com/AlSternFlorida
http://twitter.com/AllanStern
http://groups.yahoo.com/group/MilRadioComms
http://groups.yahoo.com/group/CivilAirlineComms
http://groups.yahoo.com/group/HFmonitors
http://groups.yahoo.com/group/FloridaMilcom
http://groups.yahoo.com/group/SpaceCoastComms
****

[Non-text portions of this message have been removed]

21590. Re: [ham-antennas] Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 17:04:39 UTC
From: Ken
Topic: 21532 Message: 21590

On Dec 25, 2011, at 11:21 AM, Ron Youvan wrote:

> You don't ever have to cut your wire. I cut each half of a 40 meter dipole about 6 feet too long
> and I fold the high Voltage ends back through the end insulator and secure it with a small "split
> bolt," an electrical fitting. It doesn't matter whether the wire is insulated or bare.
> (folded back wire cancels the wire folded over)

I will disagree that it doesn't matter whether the wire is insulated or bare. If it is insulated, then you still have the long electrical length, just the radiation is cancelled by the looped back wire. If you are running high power, it's also possible (but I admit unlikely) that there would be enough voltage difference to arc through the insulation, especially if compressed with the split nut. If that happens, you will get unstable results and probably RFI from the arcing. Sometimes the ends of antennas with high power will have corona discharges. That would not be a good situation with insulated wire bent back onto itself.

I agree on a dipole not to cut the wire but just bend it back but it's best to use bare wire in this situation. However, the OP's topic was for a LOOP antenna and it would be more difficult to do in that environment.

Ken WA8JXM

21591. Re: [ham-antennas] G800SA Yaesu rotor control unit

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 19:11:19 UTC
From: B Peter Treml
Topic: 21581 Message: 21591

Dave,
Have you tried Norms Rotor repair? http://www.rotorservice.com/index.htm

GL, Pete-K8PT
----- Original Message -----
From: Dave
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 25, 2011 10:50 AM
Subject: [ham-antennas] G800SA Yaesu rotor control unit

I have an 11 month old G800SA rotor. After 6 months in operation, it suddenly stopped working. When I put my ear on the cabinet of the controller, I could hear a faint hum. No light, no action when operating the rocker switch. I have another, identical 5 year old rotor. I used it to make sure the problem was not the rotor itself , or the cable.

Sent to to Yaesu in CA said they couldn't get the part to fix it. When they sent it back it has a very loud hum when plugged in, even with switch in off position.

I'm looking for a replacement controller unit or suggestions or who might be able to fix mine.

Sorry for the lengthy post.

Thanks NB5B

Sun Dec 25, 2011 9:42 am

Show Message Option
"Dave" <dward42586@...>
dward42586

[Non-text portions of this message have been removed]

21592. RE: [ham-antennas] G800SA Yaesu rotor control unit

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 19:40:29 UTC
From: Richard Schmuke
Topic: 21581 Message: 21592

Norms is a good shop, they did mine but they don't repair Yaesu.

Rich Kd0zz

Subject: Re: [ham-antennas] G800SA Yaesu rotor control unit

Dave,
Have you tried Norms Rotor repair? http://www.rotorservice.com/index.htm

GL, Pete-K8PT
----- Original Message -----
From: Dave
To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
Sent: Sunday, December 25, 2011 10:50 AM
Subject: [ham-antennas] G800SA Yaesu rotor control unit

I have an 11 month old G800SA rotor. After 6 months in operation, it suddenly stopped working. When I put my ear on the cabinet of the controller, I could hear a faint hum. No light, no action when operating the rocker switch. I have another, identical 5 year old rotor. I used it to make sure the problem was not the rotor itself , or the cable.

Sent to to Yaesu in CA said they couldn't get the part to fix it. When they sent it back it has a very loud hum when plugged in, even with switch in off position.

I'm looking for a replacement controller unit or suggestions or who might be able to fix mine.

Sorry for the lengthy post.

Thanks NB5B

Sun Dec 25, 2011 9:42 am

Show Message Option
"Dave" <dward42586@... <mailto:dward42586%40aol.com> >
dward42586

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21593. Re: [ham-antennas] J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 21:21:47 UTC
From: Stan Labinsky Jr.
Topic: 21535 Message: 21593

Well, Todd, the stuff I've been using is DAP Indoor / Outdoor Sealant.
Usually you can smell the vinegar right out of the tube, this stuff's
odorless... so.
But, I'll have to check back on the last repair I did (I do some 2-way radio
work on schoolbusses and the yard managers are increasingly demanding that
the larger antennas, the lo-band guys be side mounted for mechanical
protection) to see how it turned out.

When mounted this way the bottom side of the Motorola mount is exposed to
the weather and sealing the coax is a must or you'll loose the cable.
Actually, water can get into the antenna's coil too, so the bottom side of
the whole mount has to be flooded to keep the water out.
And, to those who use this mounting scheme, you can loose the "O"ring, it
does nothing for you and actually makes it a bit harder to tighten the
mount.

Stan

----- Original Message -----
From: "Todd F. Carney" <carneytf@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, December 25, 2011 2:05 AM
Subject: Re: [ham-antennas] J-Pole question

> >>Use a sealant that DOES NOT smell like vinegar as it cures. Vinegar,
> dilute acetic acid is corrosive to copper and will result in >>failed
> connections...
>
> *Thanks, Stan! I've never heard that about acetic acid and copper. So I
> just did a quick Googling to confirm my suspicions: As far as I could
> tell, all
> silicone caulks, sealants, adhesives, etc. are moisture-curing, acetic
> acid
> types. Even the kind for aquariums. Gee, I've always thought of acetic
> acid
> as sort of benign. I used to have my hands deep into it in the darkroom:
> it's used for stop bath to neutralize the alkaline developer.*
>
> *So . . . . . the big question now is: what would be the best sealant to
> use for weather-proof electrical connections? How about roofing tar? A
> latex-type caulk? Layers of painted-on Dip-It tool handle plastic?
>
> Don't anyone bother suggesting electrical tape! It falls off in the sun
> and
> leaves a very sticky mess behind. I hate the crap. Alright . . . okay, I
> use it once in a while for various purposes as it does sometimes fill-in

> for a better choice when one is not at hand. But, hey . . . we all have to
> be flexible, right?
>
> Todd
> KF7SIS
> *
> ---
> KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
> Medford, Oregon / (541) 951-5702
>
> "Done is better than perfect." --Anonymous
> *
> *
> *
> *
>
>
>
> On Sat, Dec 24, 2011 at 9:23 PM, Stan Labinsky Jr.
> <stanbarb@...
>> wrote:
>
>> **
>>
>>
>> I recently came across an old article in QST, where a ham/commercial
>> radio
>> guy commented the he was loosing about a dB in the right angle adapter.
>> He
>> suggested using right angle Pl259 type connectors in any situation that
>> demanded a right angle connection.
>>
>> But, I'd even suggest staying away from attaching an SO238/PL259 to your
>> antenna. The reason is that the PL259 connectors are NOT weather/water
>> proof and water in the coax's shield will eventually create headaches,
>> specifically the loss of the shielding function in the affected piece of
>> cable with an attendant increase in loss. I've seen at least a ten foot
>> run
>> of ruined cable in a 2-way installation I recently had to repair... water
>> dripping out of the connector at the radio end.
>>
>> You'd do just as well as was suggested connecting the cable directly to
>> the antenna but, you want to thoroughly seal the exposed shield and
>> center
>> conductor after making your attachment. Use a sealant that DOES NOT smell
>> like vinegar as it cures. Vinegar, dilute acetic acid is corrosive to
>> copper and will result in failed connections... seen those warnings many
>> times, usually from folks who have been bitten.
>>

>> Otherwise... have fun!
>>
>> Stan
>>
>>
>> ----- Original Message -----
>> From: Ed Stewart
>> To: Ham Antenna's
>> Sent: Saturday, December 24, 2011 10:55 AM
>> Subject: [ham-antennas] J-Pole question
>>
>> I have a 1/2 inch copper tubing J-Pole antenna question. Which way would
>> be the best way to route the coax from the connection to the J-Pole, use
>> a 90 degree coax connector and run the coax down the support tied flat
>> or use a straight connector on the coax and make the coax loop down to
>> passed the short bottom stub of the J-Pole. I would like to use the 90
>> degree because it is more secure tied flush to the pvc support , but
>> don't know whether the coax running flush will efect the antenna's swr
>> or performace. Ed-KB3WRX
>> --
>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21594. Re: [ham-antennas] J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-25 23:32:01 UTC
From: Todd F. Carney
Topic: 21535 Message: 21594

*Good suggestion, Stan. I just checked the DAP site. Their Indoor/Outdoor sealant is a paintable acrylic latex. They also have some polyurethane sealants that should work well, too. I imagine any latex or poly sealant would work fine. Of course anyone could come back with: "I wouldn't use that stuff if I were you. It contains monkey urine and it might change the electrical length of your antenna. . . ."

Todd
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Sun, Dec 25, 2011 at 1:21 PM, Stan Labinsky Jr. <stanbarb@...
> wrote:

> **
>
>
> Well, Todd, the stuff I've been using is DAP Indoor / Outdoor Sealant.
> Usually you can smell the vinegar right out of the tube, this stuff's
> odorless... so.
> But, I'll have to check back on the last repair I did (I do some 2-way
> radio
> work on schoolbusses and the yard managers are increasingly demanding that
> the larger antennas, the lo-band guys be side mounted for mechanical
> protection) to see how it turned out.
>
> When mounted this way the bottom side of the Motorola mount is exposed to
> the weather and sealing the coax is a must or you'll loose the cable.
> Actually, water can get into the antenna's coil too, so the bottom side of
> the whole mount has to be flooded to keep the water out.
> And, to those who use this mounting scheme, you can loose the "O"ring, it
> does nothing for you and actually makes it a bit harder to tighten the
> mount.
>
>
> Stan
>

> ----- Original Message -----
> From: "Todd F. Carney" <carneytf@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Sunday, December 25, 2011 2:05 AM
> Subject: Re: [ham-antennas] J-Pole question
>
> > >>Use a sealant that DOES NOT smell like vinegar as it cures. Vinegar,
> > dilute acetic acid is corrosive to copper and will result in >>failed
> > connections...
> >
> > *Thanks, Stan! I've never heard that about acetic acid and copper. So I
>
> > just did a quick Googling to confirm my suspicions: As far as I could
> > tell, all
> > silicone caulks, sealants, adhesives, etc. are moisture-curing, acetic
> > acid
> > types. Even the kind for aquariums. Gee, I've always thought of acetic
> > acid
> > as sort of benign. I used to have my hands deep into it in the darkroom:
> > it's used for stop bath to neutralize the alkaline developer.*
> >
> > *So . . . . . the big question now is: what would be the best sealant to
>
> > use for weather-proof electrical connections? How about roofing tar? A
> > latex-type caulk? Layers of painted-on Dip-It tool handle plastic?
> >
> > Don't anyone bother suggesting electrical tape! It falls off in the sun
> > and
> > leaves a very sticky mess behind. I hate the crap. Alright . . . okay, I
> > use it once in a while for various purposes as it does sometimes fill-in
> > for a better choice when one is not at hand. But, hey . . . we all have
> to
> > be flexible, right?
> >
> > Todd
> > KF7SIS
> > *
> > --
> > KF7SIS<
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20
%20%20%20%20%5E
> >/
>
> > Medford, Oregon / (541) 951-5702
> >
> > "Done is better than perfect." --Anonymous
> > *
> > *
> > *
>

> > *
> >
> >
> >
> > On Sat, Dec 24, 2011 at 9:23 PM, Stan Labinsky Jr.
> > <stanbarb@...
> >> wrote:
> >
> >> **
>
> >>
> >>
> >> I recently came across an old article in QST, where a ham/commercial
> >> radio
> >> guy commented the he was loosing about a dB in the right angle adapter.
> >> He
> >> suggested using right angle Pl259 type connectors in any situation that
> >> demanded a right angle connection.
> >>
> >> But, I'd even suggest staying away from attaching an SO238/PL259 to your
> >> antenna. The reason is that the PL259 connectors are NOT weather/water
> >> proof and water in the coax's shield will eventually create headaches,
> >> specifically the loss of the shielding function in the affected piece of
> >> cable with an attendant increase in loss. I've seen at least a ten foot
> >> run
> >> of ruined cable in a 2-way installation I recently had to repair...
> water
> >> dripping out of the connector at the radio end.
> >>
> >> You'd do just as well as was suggested connecting the cable directly to
> >> the antenna but, you want to thoroughly seal the exposed shield and
> >> center
> >> conductor after making your attachment. Use a sealant that DOES NOT
> smell
> >> like vinegar as it cures. Vinegar, dilute acetic acid is corrosive to
> >> copper and will result in failed connections... seen those warnings many
> >> times, usually from folks who have been bitten.
> >>
> >> Otherwise... have fun!
> >>
> >> Stan
> >>
> >>
> >> ----- Original Message -----
> >> From: Ed Stewart
> >> To: Ham Antenna's
> >> Sent: Saturday, December 24, 2011 10:55 AM
> >> Subject: [ham-antennas] J-Pole question
> >>
> >> I have a 1/2 inch copper tubing J-Pole antenna question. Which way would

> >> be the best way to route the coax from the connection to the J-Pole, use
> >> a 90 degree coax connector and run the coax down the support tied flat
> >> or use a straight connector on the coax and make the coax loop down to
> >> passed the short bottom stub of the J-Pole. I would like to use the 90
> >> degree because it is more secure tied flush to the pvc support , but
> >> don't know whether the coax running flush will efect the antenna's swr
> >> or performace. Ed-KB3WRX
> >> --
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >>
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
>
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
>
>
>

[Non-text portions of this message have been removed]

21595. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 00:20:02 UTC
From: Adrian Flynn
Topic: 21480 Message: 21595

On Sun, Dec 25, 2011 at 11:27 AM, Richard Schmuke <rdj@...> wrote:

> **
> * *
> * *
> * *
> * *
>
> *Adrian, if you follow any of my posts or have seen my photobucket you
> would
> also get the idea I am on a fixed income that is why I try to make as much
> as I can . I understand working with what you have on hand. I am lucky I
> have most of my fingers and can still do some things.
> *
>
I agree with and totally understand "have most of my fingers and can still
do some things".
It was a real challenge for about 4 years to find out I could no longer
run, carry heavy loads,
try to work at something for more than a few minutes.
I also had to resort to driving at night as if I entered a section with
trees the light flashing
through the trees would put me to sleep in less than 5 minutes! This kept
on until I finally
got Oxygen after having a case of "Congestive Heart Failure" when they put
me on O2 for
24/365 the rest of my life.

> *I also understand how employers in the past did not protect their people
> as
> many due today but there was not things like MSDS like there are today.*
>

I agree with old employers not protecting employees, we were disposable
cattle to them.
But there were MSDS on the lime at the time this happened and had been for
several years,
just a case of penny pinching and YOU having to CYA!

I sure miss the good old days. Gee you
wonder why I got cancer in my throat and neck.
Rich , Kd0zz

Yes the good old days of rosin fumes from soldering day in day out repairing
consumer electronics, and like you did breathing in all of the unknown

chemical
sprays & washes used for repairs.
I have no idea what was in all of them but one I do remember as it was
mixed
by the shop foreman was a mix of Kerosene and Acetone with a couple of
other items!
We all have to carry our loads but it seems many time we are a very small
minority
and others think everyone should just run out and "Buy" the "Best" out there
as "Everyone is made of money like they are or say they are"/

Off my soap box for the rest of this year, I am going to rest up and try to
relax
so I will have a good attitude when I go in for 6 hours of surgery Jan 31,
with at least 2
weeks recovery time in the hospital.

Hope you and your family had a great Christmas we sure did.
73
Adrian KF7DYU

>
>
>
> Todd,
> Didn't offend me at all.
>
>

[Non-text portions of this message have been removed]

21596. Re: [ham-antennas] J-Pole question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 00:48:46 UTC
From: Jon Ermels
Topic: 21535 Message: 21596

All I have ever used for the last 25 years is a product called coax seal. Gooey black thick tape like product that can be stretched, molded and formed to any shape you want. After some time it develops a dry firm outer shell and can be removed easily by making a slit and just rolling it back. Won't even stick to your fingers. Heating and cooling tech's have it as a wrap on insulation on the return refrigerant line. Nothing better.

73 de NØIGU
Jon

>_____
> From: Richard Schmuke <rdj@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, December 25, 2011 7:54 AM
>Subject: RE: [ham-antennas] J-Pole question
>
>
>Check out DAP Silicone Plus,(thanks to K5EST) it is what you are looking
>for. You can also get it in a small tube, black , with auto parts but the
>auto parts is more expensive for a smaller tube.
>Rich , Kd0zz
>
>
>Thanks, Stan! I've never heard that about acetic acid and copper. So I
>just did a quick Googling to confirm my suspicions: As far as I could tell,
>all
>silicone caulks, sealants, adhesives, etc. are moisture-curing, acetic acid
>types. Even the kind for aquariums. Gee, I've always thought of acetic acid
>as sort of benign. I used to have my hands deep into it in the darkroom:
>it's used for stop bath to neutralize the alkaline developer.*
>
>*So . . . . . the big question now is: what would be the best sealant to
>use for weather-proof electrical connections? How about roofing tar? A
>latex-type caulk? Layers of painted-on Dip-It tool handle plastic?
>
>Don't anyone bother suggesting electrical tape! It falls off in the sun and
>leaves a very sticky mess behind. I hate the crap. Alright . . . okay, I
>use it once in a while for various purposes as it does sometimes fill-in
>for a better choice when one is not at hand. But, hey . . . we all have to
>be flexible, right?
>
>Todd
>KF7SIS
>*
>--
>--------

>KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20
>KF7SIS%2FQRP%20k%20%20%20%20%5E>/
>Medford, Oregon / (541) 951-5702
>
>"Done is better than perfect." --Anonymous
>*
>*
>*
>*
>
>
>
>On Sat, Dec 24, 2011 at 9:23 PM, Stan Labinsky Jr. <stanbarb@...
>> wrote:
>
>> **
>>
>>
>> I recently came across an old article in QST, where a ham/commercial radio
>> guy commented the he was loosing about a dB in the right angle adapter. He
>> suggested using right angle Pl259 type connectors in any situation that
>> demanded a right angle connection.
>>
>> But, I'd even suggest staying away from attaching an SO238/PL259 to your
>> antenna. The reason is that the PL259 connectors are NOT weather/water
>> proof and water in the coax's shield will eventually create headaches,
>> specifically the loss of the shielding function in the affected piece of
>> cable with an attendant increase in loss. I've seen at least a ten foot
>run
>> of ruined cable in a 2-way installation I recently had to repair... water
>> dripping out of the connector at the radio end.
>>
>> You'd do just as well as was suggested connecting the cable directly to
>> the antenna but, you want to thoroughly seal the exposed shield and center
>> conductor after making your attachment. Use a sealant that DOES NOT smell
>> like vinegar as it cures. Vinegar, dilute acetic acid is corrosive to
>> copper and will result in failed connections... seen those warnings many
>> times, usually from folks who have been bitten.
>>
>> Otherwise... have fun!
>>
>> Stan
>>
>>
>> ----- Original Message -----
>> From: Ed Stewart
>> To: Ham Antenna's
>> Sent: Saturday, December 24, 2011 10:55 AM
>> Subject: [ham-antennas] J-Pole question
>>

>> I have a 1/2 inch copper tubing J-Pole antenna question. Which way would
>> be the best way to route the coax from the connection to the J-Pole, use
>> a 90 degree coax connector and run the coax down the support tied flat
>> or use a straight connector on the coax and make the coax loop down to
>> passed the short bottom stub of the J-Pole. I would like to use the 90
>> degree because it is more secure tied flush to the pvc support , but
>> don't know whether the coax running flush will efect the antenna's swr
>> or performace. Ed-KB3WRX
>> --
>>
>> [Non-text portions of this message have been removed]
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>-----------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
>to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause
>for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>-----------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>

>
>
>
>
>

[Non-text portions of this message have been removed]

21597. Re: [ham-antennas] Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 00:58:58 UTC
From: Jon Ermels
Topic: 21532 Message: 21597

Don, thanks for the advice. I've always made my wire antennas a little long for tuning but I was talking about waaaaaaay long, like 55' or even hundreds of feet longer and leaving it without any SWR testing. their reasoning was the more the merrier and I'm going to be using a tuner anyway. I figured the moreI had to rely on the tuner, the more power I wasted in it. Also I figured it would also make the higher bands harder to tune also.

73 de NØIGU
Jon

>_____
> From: "goldtr8@..." <goldtr8@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, December 25, 2011 10:08 AM
>Subject: RE: [ham-antennas] Question about building 160M horizontal loop
>
>
>Jon,
>
>Get it up in the air and check it out for SWR and so on, before you cut
>the wire. I wound up adding more wire to make mine work so there are
>multiple splices in my system. I would think it would be nice to know
>where you are at before you make adjustments.
>
>Merry Christmas
>
>~73
>Don
>KD8NNU
>
>On Sat, Dec 24, 2011 at 9:06 AM, Jon wrote:
>
>   I am about to finally erect a 160M loop. It will be as high as I
>can get it and as near to being square as I can get it. It will be made
>out of 18ga stranded and insulated copper fed with 450ohn ladder line.
>I'm not sure if I will put a balun ad the outside wall of the shack and
>rg8 on in to the tuner or run it on in to the tuner. My calculations
>say it should be 515'. The question comes from various pieces of
>"advice" vary. It will be used as a multi band antenna. I thought it
>should be the calculated length to work better with all bands but I've
>been told it makes no difference. Why I'm asking is my piece of wire is
>560' and I could manage to get it all up and before I cut it would like
>to hear from those that KNOW from use and are willing to share the
>information.
>
>Thanks for the help

>
>73 de Jon - N0IGU
>
> <http://docs.yahoo.com/info/terms/>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

21598. Re: [ham-antennas] Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 01:12:20 UTC
From: Jon Ermels
Topic: 21532 Message: 21598

73 de NØIGU
Jon

>_____
> From: doug pfaff <doug.pfaff@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, December 25, 2011 10:13 AM
>Subject: Re: [ham-antennas] Question about building 160M horizontal loop
>
>
>Jon
>
>Try using your tower with a wire stood off the tower and a base load coil.one of the older hams who had lots of money and time to build things you need a good tuner as it still a very short antenna for broadcast band frequencies.
>
>You lost me here Doug
>
>Look at the AM broadcast towers in your area believe there a quarter wave length and your much less shorter than that.
>
>
>You must have a hugh piece of real estate and lot of supporting structures to tie it too.
>
>I have 5 acres with lots of trees.
>
>Remember proximity to ground and suppoet structures to support it will make a impact on thefinal reading.
>
>Yes, found that out 25 years ago.
>
>My loop was to close to the ground situation like 3 metres max or grounded infrastructures it made a difference of over two feet on the calculation for the lowend of the band on 20 m.
>
>It's going to be as highas I can get it.
>
>As other have comment it hears things that a dipole vertical or other wire antenna can't.
>
>That's what I'm looking for Doug. I've had several verticals and beams and uncountable dipoles but no loops yet. Don't want to make a mistake.
>
>So remember to take actual readings and make actual adjustments for your site conditions and not rely on the textbook diagrams etc my exterior finish of stuco has an effect on design length

>
>Thanks again for the help.
>
>Doug ve5dcp
>
>
>Doug Pfaff
>doug.pfaff@...
> ----- Original Message -----
> From: Jon
> To: ham-antennas@yahoogroups.com
> Sent: Saturday, December 24, 2011 8:06 AM
> Subject: [ham-antennas] Question about building 160M horizontal loop
>
>
>
> I am about to finally erect a 160M loop. It will be as high as I can get it and as near to being square as I can get it. It will be made out of 18ga stranded and insulated copper fed with 450ohn ladder line. I'm not sure if I will put a balun ad the outside wall of the shack and rg8 on in to the tuner or run it on in to the tuner. My calculations say it should be 515'. The question comes from various pieces of "advice" vary. It will be used as a multi band antenna. I thought it should be the calculated length to work better with all bands but I've been told it makes no difference. Why I'm asking is my piece of wire is 560' and I could manage to get it all up and before I cut it would like to hear from those that KNOW from use and are willing to share the information.
>
> Thanks for the help
>
> 73 de Jon - N0IGU
>
>
>
>
>
>[Non-text portions of this message have been removed]
>
>
>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>

>
>
>
>
>

[Non-text portions of this message have been removed]

21599. Re: [ham-antennas] Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 01:16:14 UTC
From: Jon Ermels
Topic: 21532 Message: 21599

73 de NØIGU
Jon

>_____
> From: Ron Youvan <ka4inm@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, December 25, 2011 10:21 AM
>Subject: Re: [ham-antennas] Question about building 160M horizontal loop
>
> Don KD8NNU goldtr8@... wrote:
>
>> Get it up in the air and check it out for SWR and so on, before you cut
>> the wire. I wound up adding more wire to make mine work so there are
>> multiple splices in my system. I would think it would be nice to know
>> where you are at before you make adjustments.
>
> You don't ever have to cut your wire. I cut each half of a 40 meter dipole about 6 feet too long
>and I fold the high Voltage ends back through the end insulator and secure it with a small "split
>bolt," an electrical fitting. It doesn't matter whether the wire is insulated or bare.
>(folded back wire cancels the wire folded over)
>
>Hi again Ron. I'm pretty slow but how do I fold back 30 extra feet of wire on a loop, and why would I want to leave it there?
>
>--
>   Ron KA4INM - Did you know ...
>   ... that no-one ever reads these things?
>
>
>-----------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo! Groups Links
>
>
>

>
>
>

[Non-text portions of this message have been removed]

21600. Re: [ham-antennas] Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 01:29:07 UTC
From: Ron Youvan
Topic: 21532 Message: 21600

> > You don't ever have to cut your wire. I cut each half of a 40 meter dipole about 6 feet too long
> >and I fold the high Voltage ends back through the end insulator and secure it with a small "split
> >bolt," an electrical fitting. It doesn't matter whether the wire is insulated or bare.
> >(folded back wire cancels the wire folded over)

> >Hi again Ron. I'm pretty slow but how do I fold back 30 extra feet of wire on a loop, and why
> would I want to leave it there?

I was referring to dipoles and such that are normally "trimmed to length."
I also said 6 feet too long, almost a foot is used at the center balun and barely 4 feet at the
ends. That's 6 feet over the calculated length using 75 Ohm coax.
The tear drop look of the ends theoretically broad-bands the antenna slightly.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21601. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 03:56:06 UTC
From: Larry Tooley
Topic: 21480 Message: 21601

Used to work at Missouri Portland Cement Co. as electrician. Know all about lime dust. It causes silicosis then lung cancer. MSHA said it was safe since when you left it would be out of your lungs in 3 days. Oh? What if you work there until you retire. That is what happened to the first retiree, lung cancer. Best thing for antennas is call your local club. Many will be thilled to show up as a group and raise antennas. You must have coffee and doughnuts, though.
Larry WA9G

----- Original Message -----
From: "Adrian Flynn" <ADRIANJAMESFLYNN@...>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, December 25, 2011 2:35 AM
Subject: Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

> Todd,
> Didn't offend me at all.
> I have had things trrown at me all my life as I am FAT to start
> with and I just reply to them basicly with a "Walk in my shoes for a mile"
> type comment.
> I have had to really learn to pull my horns in and reause since I went
> disabled about 14 years ago.
> It was a *major shock* to go from taking home $1,500 a week to living on
> $850 a month!!!
> That was after using my retirement to live on for 3 years while fighting
> the
> Government for my disability, I was turned down as being fit for work when
> I couldn't walk across a room or stay awake more than 20 to 30 minutes at
> a time due to lack of oxygen.
> My lungs were toast from Asthma, smoking and the final straw was inhaling
> LIME DUST for 17 hours on the job one day. Employer provided no filter
> mask or any thing while I was driving my truck in a 3/4 mile circle
> hauling
> re dried lime from the hotplant to the grizzly to re stack it.
> (The man dumping my truck didn't have a mask either and he had blood
> coming out of his nose in about 7 hours and was spitting up blood before
> the end of the day, I never say him again & I would not be surprised if he
> died later that night!)
> I had my windows closed and AC set to recirculate but at end of 17 hours
> I had a layer of lime dust 2 inches deep on everything in the truck.
> I used a 1 1/2 inch fire hose to clean it out and still had dust showing
> up
> to

> be re cleaned for a week.
>
> I hope I didn't offend you with my reply but it falls in line with my
> "Walk a mile in my shoes", I have walked many miles in my old shoes and I
> wish I could do it today, you have a Merry Christmas and enjoy your family
> to the Max!
>
> 73
> Adrian KF7DYU
>
>
>
> On Sun, Dec 25, 2011 at 3:15 AM, Todd F. Carney <carneytf@...>
> wrote:
>
>> **
>>
>>
>> *Adrian,
>>
>> Merry Christmas!
>>
>> You stay up late like I do. I hope I didn't offend you. But I thought of
>> that old joke about the woman who fed her husband dog food to save money.
>> She told her friend about it who was then shocked when the man died. "Do
>> you think it was the dog food?" the friend asked. "No. He was just laying
>> in the street licking his nuts and he got run over by a truck."
>>
>> Happy New Year, too. And happy QSOs as well.
>>
>> 73,
>>
>>
>> Todd
>>
>> *
>> --
>> KF7SIS<
>> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%2
0%20%20%20%5E
>> >/
>> Medford, Oregon / (541) 951-5702
>>
>> "Done is better than perfect." --Anonymous
>> *
>> *
>> *
>> *
>>
>> On Sat, Dec 24, 2011 at 11:56 PM, Adrian Flynn

>> <ADRIANJAMESFLYNN@...>wrote:
>>
>> > Todd,
>> >
>> > Why don't you try it?
>> > Send me the differance in cost IF ANY!
>> >
>> >
>> > 73
>> > Adrian KF7DYU
>> >
>> >
>> > On Sun, Dec 25, 2011 at 2:48 AM, Todd F. Carney <carneytf@...>
>> > wrote:
>> >
>> > > **
>>
>> > >
>> > >
>> > > *Adrian,
>> > >
>> > > If you ate canned dog food you could afford better coax. [?] [?] [?]
>> > >
>> > > Todd
>> > > *
>> > > ----------
>> > > KF7SIS<
>> > >
>> >
>> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%2
0%20%20%20%5E
>> > > >/
>> > >
>> > > Medford, Oregon / (541) 951-5702
>> > >
>> > > "Done is better than perfect." --Anonymous
>> > > *
>> > > *
>> > > *
>> > > *
>> > >
>> > > On Sat, Dec 24, 2011 at 11:05 PM, Adrian Flynn
>> > > <ADRIANJAMESFLYNN@...>wrote:
>> > >
>> > >
>> > >
>> > > > IF you live on a disability income like many of us do you might
>> > > > damn
>> > well
>> > > > "use surplus RG-58 to save a couple of bucks "!!!
>> > > > try living on about $1000 a month and see if you are singing the

>> > > > same
>> > > tune.
>> > > > Back in my hole.
>> > > > *BTW: I sign my messages why don't you?*
>> > >
>> > > > 73
>> > > > Adrian KF7DYU
>> > > >
>> > > > On Sat, Dec 24, 2011 at 7:18 PM, Ken <wa8jxm@...> wrote:
>> > > >
>> > > > > **
>> > >
>> > > > >
>> > > > >
>> > > > >
>> > > > > On Dec 24, 2011, at 5:24 PM, Joe wrote:
>> > > > >
>> > > > > > if it is all that bad, then most AM Broadcast antenna towers
>> > > shouldn't
>> > > > > > radiate should they?
>> > > > >
>> > > > > Of course they radiate, as they SHOULD.
>> > > > >
>> > > > > #1, they have a LOT larger conductor and probably 1000x the
>> > > > > surface
>> > > area
>> > > > > so the percentage lost is lower than it would be with a wire
>> antenna.
>> > > > >
>> > > > > #2, the cost of putting up a copper tower of sufficient strength
>> > would
>> > > > > horrendously more expensive, probably in the millions of dollars.
>> > OTOH,
>> > > > we
>> > > > > are talking about only $15 more for copper wire than for
>> galvanized.
>> > > > >
>> > > > > YMMV but I would not use galvanized wire to save $10 or $15.
>> > > > >
>> > > > > Do you use surplus RG-58 to save a couple of bucks too?
>> > > > >
>> > > > >
>> > > > >
>> > > >
>> > > >
>> > > > [Non-text portions of this message have been removed]
>> > > >
>> > > >
>> > > >
>> > > > ------------------------------------

>> > >
>> > > >
>> > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
>> Replies
>> > > go
>> > > > to ALL 2752 members (as of 10/30/11). and attachments are NOT
>> > permitted.
>> > > > Any statements in ANY post that may be construed as inflamatory MAY
>> be
>> > > > cause for suspension. Moderators WILL have final say in these
>> matters.
>> > > > Post message: ham-antennas@yahoogroups.com
>> > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
>> > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> > > > List owner: ham-antennas-owner@yahoogroups.com
>> > > > Yahoo! Groups Links
>> > >
>> > > >
>> > > >
>> > > >
>> > > >
>> > >
>> > > [Non-text portions of this message have been removed]
>> > >
>> > >
>> > >
>> >
>> >
>> > [Non-text portions of this message have been removed]
>> >
>> >
>> >
>> > ------------------------------------
>> >
>> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>> go
>> > to ALL 2752 members (as of 10/30/11). and attachments are NOT
>> > permitted.
>> > Any statements in ANY post that may be construed as inflamatory MAY be
>> > cause for suspension. Moderators WILL have final say in these matters.
>> > Post message: ham-antennas@yahoogroups.com
>> > Subscribe: ham-antennas-subscribe@yahoogroups.com
>> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> > List owner: ham-antennas-owner@yahoogroups.com
>> > Yahoo! Groups Links
>> >
>> >
>> >
>> >
>>

>> [Non-text portions of this message have been removed]
>>
>>
>>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21602. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 03:56:46 UTC
From: Larry Tooley
Topic: 21480 Message: 21602

And use the cans for a beverage antenna!
----- Original Message -----
From: Todd F. Carney
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 25, 2011 1:48 AM
Subject: Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

*Adrian,

If you ate canned dog food you could afford better coax. [?] [?] [?]

Todd
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541) 951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Sat, Dec 24, 2011 at 11:05 PM, Adrian Flynn <ADRIANJAMESFLYNN@...>wrote:

> IF you live on a disability income like many of us do you might damn well
> "use surplus RG-58 to save a couple of bucks "!!!
> try living on about $1000 a month and see if you are singing the same tune.
> Back in my hole.
> *BTW: I sign my messages why don't you?*
> 73
> Adrian KF7DYU
>
> On Sat, Dec 24, 2011 at 7:18 PM, Ken <wa8jxm@...> wrote:
>
> > **
> >
> >
> >
> > On Dec 24, 2011, at 5:24 PM, Joe wrote:

> >
> > > if it is all that bad, then most AM Broadcast antenna towers
shouldn't
> > > radiate should they?
> >
> > Of course they radiate, as they SHOULD.
> >
> > #1, they have a LOT larger conductor and probably 1000x the surface
area
> > so the percentage lost is lower than it would be with a wire antenna.
> >
> > #2, the cost of putting up a copper tower of sufficient strength would
> > horrendously more expensive, probably in the millions of dollars.
OTOH,
> we
> > are talking about only $15 more for copper wire than for galvanized.
> >
> > YMMV but I would not use galvanized wire to save $10 or $15.
> >
> > Do you use surplus RG-58 to save a couple of bucks too?
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21603. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 06:55:22 UTC
From: Adrian Flynn
Topic: 21480 Message: 21603

I will remember that, I am not going to put up any wire here
as we will be moving in Apr when the lease is up.
73
Adrian KF7DYU
On Sun, Dec 25, 2011 at 10:56 PM, Larry Tooley <wa9guu@...> wrote:

> **
>
>
> Used to work at Missouri Portland Cement Co. as electrician. Know all
> about
> lime dust. It causes silicosis then lung cancer. MSHA said it was safe
> since when you left it would be out of your lungs in 3 days. Oh? What if
> you work there until you retire. That is what happened to the first
> retiree, lung cancer. Best thing for antennas is call your local club.
> Many
> will be thilled to show up as a group and raise antennas. You must have
> coffee and doughnuts, though.
> Larry WA9G
>
>
> ----- Original Message -----
> From: "Adrian Flynn" <ADRIANJAMESFLYNN@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Sunday, December 25, 2011 2:35 AM
> Subject: Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga
> galvanized fence wire for antenna wire?
>
> > Todd,
> > Didn't offend me at all.
> > I have had things trrown at me all my life as I am FAT to start
> > with and I just reply to them basicly with a "Walk in my shoes for a
> mile"
> > type comment.
> > I have had to really learn to pull my horns in and reause since I went
> > disabled about 14 years ago.
> > It was a *major shock* to go from taking home $1,500 a week to living on
>
> > $850 a month!!!
> > That was after using my retirement to live on for 3 years while fighting
> > the
> > Government for my disability, I was turned down as being fit for work
> when
> > I couldn't walk across a room or stay awake more than 20 to 30 minutes at

> > a time due to lack of oxygen.
> > My lungs were toast from Asthma, smoking and the final straw was inhaling
> > LIME DUST for 17 hours on the job one day. Employer provided no filter
> > mask or any thing while I was driving my truck in a 3/4 mile circle
> > hauling
> > re dried lime from the hotplant to the grizzly to re stack it.
> > (The man dumping my truck didn't have a mask either and he had blood
> > coming out of his nose in about 7 hours and was spitting up blood before
> > the end of the day, I never say him again & I would not be surprised if
> he
> > died later that night!)
> > I had my windows closed and AC set to recirculate but at end of 17 hours
> > I had a layer of lime dust 2 inches deep on everything in the truck.
> > I used a 1 1/2 inch fire hose to clean it out and still had dust showing
> > up
> > to
> > be re cleaned for a week.
> >
> > I hope I didn't offend you with my reply but it falls in line with my
> > "Walk a mile in my shoes", I have walked many miles in my old shoes and I
> > wish I could do it today, you have a Merry Christmas and enjoy your
> family
> > to the Max!
> >
> > 73
> > Adrian KF7DYU
> >
> >
> >
> > On Sun, Dec 25, 2011 at 3:15 AM, Todd F. Carney <carneytf@...>
> > wrote:
> >
> >> **
>
> >>
> >>
> >> *Adrian,
> >>
> >> Merry Christmas!
> >>
> >> You stay up late like I do. I hope I didn't offend you. But I thought of
> >> that old joke about the woman who fed her husband dog food to save
> money.
> >> She told her friend about it who was then shocked when the man died. "Do
> >> you think it was the dog food?" the friend asked. "No. He was just
> laying
> >> in the street licking his nuts and he got run over by a truck."
> >>
> >> Happy New Year, too. And happy QSOs as well.
> >>

> >> 73,
> >>
> >>
> >> Todd
> >>
> >> *
> >> --
> >> KF7SIS<
> >>
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20
%20%20%20%5E
> >> >/
> >> Medford, Oregon / (541) 951-5702
> >>
> >> "Done is better than perfect." --Anonymous
> >> *
> >> *
> >> *
> >> *
> >>
> >> On Sat, Dec 24, 2011 at 11:56 PM, Adrian Flynn
> >> <ADRIANJAMESFLYNN@...>wrote:
> >>
> >> > Todd,
> >> >
> >> > Why don't you try it?
> >> > Send me the differance in cost IF ANY!
> >> >
> >> >
> >> > 73
> >> > Adrian KF7DYU
> >> >
> >> >
> >> > On Sun, Dec 25, 2011 at 2:48 AM, Todd F. Carney <carneytf@...>
> >> > wrote:
> >> >
> >> > > **
> >>
> >> > >
> >> > >
> >> > > *Adrian,
> >> > >
> >> > > If you ate canned dog food you could afford better coax. [?] [?] [?]
> >> > >
> >> > > Todd
> >> > > *
> >> > > --
> >> > > KF7SIS<
> >> > >
> >> >

> >>
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20
%20%20%20%5E
> >> > > >/
> >> > >
> >> > > Medford, Oregon / (541) 951-5702
> >> > >
> >> > > "Done is better than perfect." --Anonymous
> >> > > *
> >> > > *
> >> > > *
> >> > > *
> >> > >
> >> > > On Sat, Dec 24, 2011 at 11:05 PM, Adrian Flynn
> >> > > <ADRIANJAMESFLYNN@...>wrote:
> >> > >
> >> > >
> >> > > > IF you live on a disability income like many of us do you might
> >> > > > damn
> >> > well
> >> > > > "use surplus RG-58 to save a couple of bucks "!!!
> >> > > > try living on about $1000 a month and see if you are singing the
> >> > > > same
> >> > > tune.
> >> > > > Back in my hole.
> >> > > > *BTW: I sign my messages why don't you?*
> >> > >
> >> > > > 73
> >> > > > Adrian KF7DYU
> >> > > >
> >> > > > On Sat, Dec 24, 2011 at 7:18 PM, Ken <wa8jxm@...> wrote:
> >> > > >
> >> > > > > **
> >> > >
> >> > > > >
> >> > > > >
> >> > > > >
> >> > > > > On Dec 24, 2011, at 5:24 PM, Joe wrote:
> >> > > > >
> >> > > > > > if it is all that bad, then most AM Broadcast antenna towers
> >> > > > shouldn't
> >> > > > > > radiate should they?
> >> > > > >
> >> > > > > Of course they radiate, as they SHOULD.
> >> > > > >
> >> > > > > #1, they have a LOT larger conductor and probably 1000x the
> >> > > > > surface
> >> > > area
> >> > > > > so the percentage lost is lower than it would be with a wire
> >> antenna.

> >> > > > >
> >> > > > > #2, the cost of putting up a copper tower of sufficient strength
> >> > would
> >> > > > > horrendously more expensive, probably in the millions of
> dollars.
> >> > OTOH,
> >> > > > we
> >> > > > > are talking about only $15 more for copper wire than for
> >> galvanized.
> >> > > > >
> >> > > > > YMMV but I would not use galvanized wire to save $10 or $15.
> >> > > > >
> >> > > > > Do you use surplus RG-58 to save a couple of bucks too?
> >> > > > >
> >> > > > >
> >> > > > >
> >> > > >
> >> > > >
> >> > > > [Non-text portions of this message have been removed]
> >> > > >
> >> > > >
> >> > > >
> >> > > > ------------------------------------
> >> > >
> >> > > >
> >> > > > HAM ANTENNAS Anything and everything, tell us or ask questions.
> >> Replies
> >> > > go
> >> > > > to ALL 2752 members (as of 10/30/11). and attachments are NOT
> >> > permitted.
> >> > > > Any statements in ANY post that may be construed as inflamatory
> MAY
> >> be
> >> > > > cause for suspension. Moderators WILL have final say in these
> >> matters.
> >> > > > Post message: ham-antennas@yahoogroups.com
> >> > > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> >> > > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> >> > > > List owner: ham-antennas-owner@yahoogroups.com
> >> > > > Yahoo! Groups Links
> >> > >
> >> > > >
> >> > > >
> >> > > >
> >> > > >
> >> > > >
> >> > >
> >> > > [Non-text portions of this message have been removed]
> >> > >
> >> > >
> >> > >

> >> >
> >> >
> >> > [Non-text portions of this message have been removed]
> >> >
> >> >
> >> >
> >> > ------------------------------------
> >> >
> >> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies
> >> go
> >> > to ALL 2752 members (as of 10/30/11). and attachments are NOT
> >> > permitted.
> >> > Any statements in ANY post that may be construed as inflamatory MAY be
> >> > cause for suspension. Moderators WILL have final say in these matters.
> >> > Post message: ham-antennas@yahoogroups.com
> >> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> >> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> >> > List owner: ham-antennas-owner@yahoogroups.com
> >> > Yahoo! Groups Links
> >> >
> >> >
> >> >
> >> >
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >>
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> > > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be
> > > cause for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > List owner: ham-antennas-owner@yahoogroups.com
> > > Yahoo! Groups Links
> > >
> > >
> > >

>
>
>

[Non-text portions of this message have been removed]

21604. Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga galvanized fence wire for antenna wire?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 06:58:02 UTC
From: Adrian Flynn
Topic: 21480 Message: 21604

Beverage huh?
Now is that the type where the water shoots out the top for an antenna?
LOL
There will be plenty of beverage to go around, last party we emptied 2 bath tubs of beverage.

73
Adrian KF7DYU
On Sun, Dec 25, 2011 at 10:56 PM, Larry Tooley <wa9guu@...> wrote:

> **
>
>
> And use the cans for a beverage antenna!
>
> ----- Original Message -----
> From: Todd F. Carney
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, December 25, 2011 1:48 AM
> Subject: Re: [ham-antennas] Re: anyone used or heard of using 20/22 ga
> galvanized fence wire for antenna wire?
>
> *Adrian,
>
> If you ate canned dog food you could afford better coax. [?] [?] [?]
>
> Todd
> *
> ---
> KF7SIS<
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E
> >/
> Medford, Oregon / (541) 951-5702
>
> "Done is better than perfect." --Anonymous
> *
> *
> *
> *
>
> On Sat, Dec 24, 2011 at 11:05 PM, Adrian Flynn
> <ADRIANJAMESFLYNN@...>wrote:
>

> > IF you live on a disability income like many of us do you might damn
> well
> > "use surplus RG-58 to save a couple of bucks "!!!
> > try living on about $1000 a month and see if you are singing the same
> tune.
> > Back in my hole.
> > *BTW: I sign my messages why don't you?*
> > 73
> > Adrian KF7DYU
> >
> > On Sat, Dec 24, 2011 at 7:18 PM, Ken <wa8jxm@...> wrote:
> >
> > > **
> > >
> > >
> > >
> > > On Dec 24, 2011, at 5:24 PM, Joe wrote:
> > >
> > > > if it is all that bad, then most AM Broadcast antenna towers
> shouldn't
> > > > radiate should they?
> > >
> > > Of course they radiate, as they SHOULD.
> > >
> > > #1, they have a LOT larger conductor and probably 1000x the surface
> area
> > > so the percentage lost is lower than it would be with a wire antenna.
> > >
> > > #2, the cost of putting up a copper tower of sufficient strength would
> > > horrendously more expensive, probably in the millions of dollars.
> OTOH,
> > we
> > > are talking about only $15 more for copper wire than for galvanized.
> > >
> > > YMMV but I would not use galvanized wire to save $10 or $15.
> > >
> > > Do you use surplus RG-58 to save a couple of bucks too?
> > >
> > >
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go

> > to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21605. coffee and donuts ... or a bucket of chicken!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 09:24:47 UTC
From: kj6ddf
Topic: 21605 Message: 21605

I asked the question about the galvanized wire 20/22 ga, and as it happens, I'm also disabled, but I didn't want to start a war! Talking over ideas with a experience amateur who does a lot of experimenting building loop antennas, he mentioned that he had build an antenna once using galvanized steel fence wire, and I wondered if anyone else ever heard of it. But it wasn't a cost cutting measure, I think it was an experiment.
And even if one is very short with their budget due to disability, I think the suggestion about getting help from a local amateur club is an excellent one!
I've had chronic pain for 22 years, was born with a back condition (insert my own ridiculously long probably very boring story) and the best thing I've learned with God's help is to look at what I have, not at what I don't have...

And as it just so happens, I did recently visit a local Amateur club, I was concerned if I'd be able to attend, because I tend to prefer my recliner and two heating pads, but I went and was very glad I went. And as it also just happens, they talked about putting up antennas for others, I didn't ask, it was my visit, but after a few came over to say Hi, and after followed up with emails, and I asked if it were possible to give me some help putting up the loop antenna I ordered. I ordered a "store bought" ready made antenna, because with my disability, a.) wire antennas are inexpensive b.) I'd probably make some stupid mistake c.) I'd end up in a lot of pain trying to build it myself, and that's more costly in doctor visits (copays etc.) than getting it done by the techs at a company.
But I hadn't thought of getting help from the club. I was going to stumble around in the yard, try to shoot a line over branches and probably realize after I threw my neck and back out how over my head I was (Often I'm able to easily "think" a project through, without realizing I can't do what I used to be able to!)
But after going to the club, and I got a mental picture of younger healthier club members who have experience putting up antennas, and most of all, (don't forget the coffee and donuts/ bucket of chicken/ Bar-B-que) the close friendships that will be built in the process!

That's what so wonderful about amateur radio and clubs!

So I would imagine that if someone didn't have the funds necessary, a club would be willing to help.
Sitting there at the meeting, I didn't say anything, I was there to observe. I hear them say over and over, "How can we help out in the community?" "how can we help others?"

they must have said it a dozen times? they set up a committee to look into it! I am sure other clubs also want to help others!

Forgive me for being long winded, just wanted to say, I didn't know how much help was out there, and I often sit in my chair afraid to go anywhere because of the pain I might get into, (I'm in enough pain already sitting on the heating pads) but when I did go the local amateur club, I was so happy. And I hope others who are disabled also find the same help I did. For those not able to get out, I believe local clubs would respond favorably to a request for help, by phone call or email.

anyway,just my 2 cents worth

Steve

21606. UNUN Question on a G Whip Widebander antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 11:40:28 UTC
From: oldgoldennuts
Topic: 21606 Message: 21606

I have a G whip Widebander antenna. This is an End-fed with a 17.5 meter radiator and a 20 meter counterpoise. the counterpoise runs to ground after running around the garden floor to a spike. The Radiator runs up to a pole just above the house which is isolated at that point. I must say despite the hype for this company newly reformed that im not impressed with this antenna. That's not to say others might have different expieriences with this specific antenna. So my question.

From what I understand after texting the owner the transformer has neutral terminals.Ie. Either the radiator or the counterpoise can be connected either way on the terminals. Here is what I want to know. This being the case how does the UNUN know which wire is the radiator, or is it looking at both wires as radiators. This been the case then my end-fed would be an osd and the UNUN should be a BALUM.Any help or understanding would Nice. I hope everyone is having a Merry Christmas

Thanking you for any help

Shaun M3ULT

21607. AW: [ham-antennas] Update on my 2 WL 160M Loop Antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 13:27:29 UTC
From: siegfried jackstien
Topic: 21523 Message: 21607

I said it ... you will love the big loop (once finished)

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von goldtr8@...
> Gesendet: Samstag, 24. Dezember 2011 01:56
> An: LoopSkyWire@yahoogroups.com; ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Update on my 2 WL 160M Loop Antenna
>
>
>
>
> First Merry Christmas to everyone!
>
> Gents,
>
> I am now with 2 days of playing with the 2 WL loop in comparison to my
> dipole. I finally had the chance this week to add the additioinal 250
> FT to my loop to get it to 2 WL.
>
> I wish to thank everyone who gave me support and insight analizing data
> from my first attempts with the loop low to the ground, then with the
> spud gun to get the wire re-run and finally now a correct length.
>
> I am hearing stuff with the loop that is totally in the noise with the
> dipole. Second I have made some DX contacts to HI from MI on 20M to a
> portable that I gave a 5x2 signal report that I could not hear with the
> dipole. Plus he gave me a 59 with his portable set up. To me working
> someone with a compromise temporary antenna is pretty neat, as I usually
> consider myself the guy with a compromized antenna.
>
> I was able to work 160m last night as the tuner was able to get a match
> and I was heard in NY from MI running only 100W. I cant use the amp on
> 160m as the tuner is unhappy with any kind of power and the amp protects
> itself. Good thing the amp is smarter than me.
>
> I have been playing on 80 and 40 and getting fantastic signal reports
> with this setup. On 80m guys running barefoot sound like they have amps
> turned on compared to the dipole.
>
> I am also working lots of mobiles with this antenna as I can hear them
> now, where in the past I never seemed to work mobiles.

>
> I still have some matching issues to deal with, as I am not sure if I
> have to modify the feed or I need a 4:1 balun instead of a 1:1 in order
> to get better matching for low SWR..
>
> Anyway its up it works and I am extriemly pleased with the results so
> far.
>
> Again thanks to all for your advice and encouragement.
>
> ~73
> Don
> KD8NNU
>
> [Non-text portions of this message have been removed]
>
>
>
>

21608. AW: [ham-antennas] Question about building 160M horizontal loop

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 13:41:57 UTC
From: siegfried jackstien
Topic: 21532 Message: 21608

Better too long as too short

Yes it will make no difference in performance

It will show a bit different match on the different bands ... so better make it a bit too long an shorten it till you find a good match on all bands

That is what I did here on my 1wl loop

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Jon
> Gesendet: Samstag, 24. Dezember 2011 14:06
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Question about building 160M horizontal loop
>
>
>
> I am about to finally erect a 160M loop. It will be as high as I can get
> it and as near to being square as I can get it. It will be made out of
> 18ga stranded and insulated copper fed with 450ohn ladder line. I'm not
> sure if I will put a balun ad the outside wall of the shack and rg8 on in
> to the tuner or run it on in to the tuner. My calculations say it should
> be 515'. The question comes from various pieces of "advice" vary. It will
> be used as a multi band antenna. I thought it should be the calculated
> length to work better with all bands but I've been told it makes no
> difference. Why I'm asking is my piece of wire is 560' and I could manage
> to get it all up and before I cut it would like to hear from those that
> KNOW from use and are willing to share the information.
>
> Thanks for the help
>
> 73 de Jon - N0IGU
>
>
>
>

21609. RE: [ham-antennas] UNUN Question on a G Whip Widebander antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 13:48:39 UTC
From: jo barden
Topic: 21606 Message: 21609

Hi Shaun

My thoughts. I have had a look at Gwhip website and unless I have it wrong it is a long wire fed via a UNUN as you say. that being the case the impedance will be quite varied to say the least and that is the purpose of the balun. I assume it is basically a 4:1 or 9:1 voltage balun. I would cut a minimum of 4 radials for the lowest band and fit them. I Have been reading "The short vertical antenna and ground radial" by Jerry Sevick and he goes on to say that radial cut to 0.2 wavelengths long and a the more the better (my comment).

if you want to find out the ratio of UNUN just connect a none inductive resistor of 200 ohms across the antenna and counterpoise terminals and on low power it will show as 1:1 SWR if it is a 4:1 or 1:1 when a 450 ohm is connected if a 9:1 ratio.

There may be some improvement in using as a dipole then you would not need extra counterpoises. Sorry talking round in circles. I would ask what are your requirements? if you use it as a dipole it will make no difference as to what terminals are for what.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: shaundickinson@msn.com
Date: Mon, 26 Dec 2011 11:40:28 +0000
Subject: [ham-antennas] UNUN Question on a G Whip Widebander antenna

I have a G whip Widebander antenna. This is an End-fed with a 17.5 meter radiator and a 20 meter counterpoise. the counterpoise runs to ground after running around the garden floor to a spike. The Radiator runs up to a pole just above the house which is isolated at that point. I must say despite the hype for this company newly reformed that im not impressed with this antenna. That's not to say others might have different expieriences with this specific antenna. So my question.

From what I understand after texting the owner the transformer has neutral terminals.Ie. Either the radiator or the counterpoise can be connected either way on the terminals. Here is what I want to know. This being the case how does the UNUN know which wire is the radiator, or is it looking at both wires as radiators. This been the case then my end-fed would be an osd and the UNUN should be a BALUM.Any help or understanding would Nice. I hope everyone is having a Merry Christmas

Thanking you for any help

Shaun M3ULT

[Non-text portions of this message have been removed]

21610. Re: [ham-antennas] UNUN Question on a G Whip Widebander antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 14:08:30 UTC
From: Don Sanders
Topic: 21606 Message: 21610

Shaun, I hope you had a good Christmas and a HaPPY, DX FILLED NEW YEAR to you.

I am not familiar with that particular antenna. However from your description, I believe you are correct.
It should work as a semi-vertical or flattop. The 20 meter counterpoise is non resonanmt when close
coupled to ground, becoming a capacitor to ground.
If the far end is grounded to a ground spike, then it is a non resonant OCF but not much.
I suspect the transformer is a voltage balun so either terminal can be attached to ant or counterpoise.

Dr Don HC4/W4BWS
On Mon, Dec 26, 2011 at 6:40 AM, oldgoldennuts <shaundickinson@...>wrote:

> **
>
>
> I have a G whip Widebander antenna. This is an End-fed with a 17.5 meter
> radiator and a 20 meter counterpoise. the counterpoise runs to ground after
> running around the garden floor to a spike. The Radiator runs up to a pole
> just above the house which is isolated at that point. I must say despite
> the hype for this company newly reformed that im not impressed with this
> antenna. That's not to say others might have different expieriences with
> this specific antenna. So my question.
>
> From what I understand after texting the owner the transformer has neutral
> terminals.Ie. Either the radiator or the counterpoise can be connected
> either way on the terminals. Here is what I want to know. This being the
> case how does the UNUN know which wire is the radiator, or is it looking at
> both wires as radiators. This been the case then my end-fed would be an osd
> and the UNUN should be a BALUM.Any help or understanding would Nice. I hope
> everyone is having a Merry Christmas
>
> Thanking you for any help
>
> Shaun M3ULT
>
>
>

[Non-text portions of this message have been removed]

21611. AW: [ham-antennas] my first antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 14:34:26 UTC
From: siegfried jackstien
Topic: 21528 Message: 21611

30-35 feet is ok but sure 50 or 100 feet is better
...
On the lower bands every feet counts ...
You can maybe hang it a bit sloped (so use tall and not so tall trees)
Add a pole to the house (put your 2 band vertical for vhf/uhf on it)
That would give you another 10-15 feet over the house to get close to 50 feet

If you have only 3 high points why not build a delta loop ...
So only one point at the house needed ... and 2 tall trees that are in the backyard ... if one is a bit smaller ... who cares?!?

A low antenna is better as no antenna ...

And old timers said if you not make it high ... make it long

So with your 1wl loop you are on the right way

If you have too much sag (cause a longer run) use aluminium fence wire instead of insulated copper

You should add a pull-eye on the trees with a counter-weight if possible

The trees will move in the wind and you sure not want that your wire breaks

On my loop I made a safety thing on one edge:
One rope goes over a tree limp and down to earth in an unused storage room
The rope is secured to a table in the room (do NOT laugh pls) ...
Now if there is a heavy storm the table moves to the door and stays there
Antenna now has a lot of sag and can move free in the wind without too much stress on the wire
When storm is away I just push the table back on its place :-)

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von kj6ddf
> Gesendet: Samstag, 24. Dezember 2011 11:39
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] my first antenna
>
>
>
> Well I don't have it yet,
>

> but I ordered a "store bought" 160 meter loop with 124 ft ladder line
>
> the house has a tall roof, I used to climb trees when I was old enough to
> reach the lowest limb, perhaps 5 years old and later I was an Ironworker,
> and even if I shouldn't, because I have back and neck problems I climbed
> up onto the roof.
> I was still scared, which showed my brain was working just fine.
> I don't know if I'm up to putting the antenna up myself or not.
>
> The top of the roof must be 30 or 35 ft high, there are several trees in
> the back yard that are possibly useful, but aren't very big trees. The
> wire is 14 ga with insulation, so it's probably on the heavy side.
>
> If I only hung it from 4 points, I'd have to have strong trees or if I am
> able to use the top of the roof as two points for the front.
>
> Maybe I can put more insulators, I might go over the top of the garage,
> and that would be an additional insulator and maybe if I added several
> more so there wouldn't be so much weight on the one in the back yard all
> the way in the back, north west side.
>
> Then over to the other side of the back yard, or the north east corner,
> I'm not sure which tree, but there is a large red oak tree, and from there
> I'm not sure. When I first measured off the yard, it's roughly 120 ft x
> 110 ft, so I may have more antenna that yard, unless I spread it or fold
> it a bit, I'm told I can do that.
>
> It's interesting, I get all sorts of advice from knowledgeable people, and
> I understand, (most of the time) what they are talking about, but when I
> go to talking about what they advised me to do, I can't say it very well.
>
> Anyway, from the top of roof on the east side, the south east side, the
> ladder line will come down the side of the house, I'm not sure how it will
> work because of the length, but under the eaves keeping it away from
> metal, (that part I remember well from advice I was given) to the MJF
> window thru.
>
> The yard and surrounding area has very tall trees, maybe 110 ft, mostly
> oaks and other deciduous trees. When I was a kid, all that mean to me was
> they "rained" leaves all year long and my dad wanted the leaves raked up
> every week, so I hated them, except to climb them.
>
> But now I wish I had a few more in the right places in the yard. But there
> are some smaller ones, I wonder if I get it up about 30 or 35 feet will
> that be high enough?
>
> thanks
> steve
>
>

>
>

21612. Re: coffee and donuts ... or a bucket of chicken!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 13:51:27 UTC
From: Bill Walker
Topic: 21605 Message: 21612

Steve, has a very good point, a lot of clubs help out in the communities and those who don't should. Get to know your officials in local government and help with projects in communications and plan support with other groups such as Salvation Army ECOM. Look for Amateurs who are not on the air, get with them and help set up stations. You might find one that is a good ECOM operator and will to stay on the air at their station to maintain communication, but unable to go into the field. Supporting these individuals can become a great asset to a club, begin impaired should never be consider an handicap to anyone, every one in a chain makes it stronger. WA5GHR

[Non-text portions of this message have been removed]

21613. AW: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 14:37:17 UTC
From: siegfried jackstien
Topic: 21555 Message: 21613

15 and 20 resonate a bit high ... try to add a few inches to the 15 and 20m
radials could solve that

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m] Im
> Auftrag von Severino Mastracci
> Gesendet: Sonntag, 25. Dezember 2011 01:02
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] My 5BTV not have good reception
>
>
>
> Many Thank´s for replay Dave,
>
> 1-. I use MFJ-229b Analyzer
>
> For 10m Point High SWR 1.6 - 28.000 / Point Low SWR 28.570 1.1
> For 15m Point High SWR 3.2 - 21.900 / Point Low SWR 21.300 1.0
> For 20m Point High SWR 4.3 - 14.900 / Point Low SWR 14.300 1.2
> For 40m all range 7.000 - 7.200 SWR 2.0 Average
> For 80m range 3.560 - 3.670 SWR 1.8 Average
>
> 2-. I use for feeding LMR-200 same G5RV.
>
> 3-. Balum is Air Choke (Coaxial RG-8) Homemade. / Balum was on
> recommendation, but is i can remove it.
>
> 4-. Radial Cable #14
>
> --
> *YV5OF
> Severino Mastracci. **
> Twitter : @yv5of*
> *QRZ :* http://www.qrz.com/yv5of <http://www.qrz.com/yy5cbk>
> *Locator: FK60OK*
> *ITU Zone : 12
> CQ Zone : 9
> Caracas / Venezuela
> South América.*
>
> [Non-text portions of this message have been removed]
>

>
>
>

21614. Re: AW: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 14:41:55 UTC
From: Severino Mastracci
Topic: 21555 Message: 21614

Many thank to all for replay

73!

[Non-text portions of this message have been removed]

21615. AW: [ham-antennas] Help with beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 14:40:31 UTC
From: siegfried jackstien
Topic: 21509 Message: 21615

Tune for lower end of band should bring you in center when it is up
You could check how mch it is changing with the height ... put it down ...
make correction for lower band edge ... put up again

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dwayne
> Gesendet: Freitag, 23. Dezember 2011 21:05
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Help with beam antenna
>
>
>
> Hello All,
>
> This is my first post to the group, and hopefully I will not dork it up.
>
> I have always used wire antennas up to this point. But recently I was
> given
> a beam antenna.
>
> It is a Hy-Gain TH-4 best I can tell. Did not get paper work with it.
>
> Did get the manual on line for the TH-4. (looks the closet to what I have)
>
> Here is my problem.
>
> When I set up the beam at four feet off the ground, I can get the SWR
> perfect for the three bands, (10/15/20)
>
> using an antenna analyzer.
>
> However, when I put it up at 15 feet to test it for a week, SWR changes to
> no good. Back at four feet they are great.
>
> I know height above ground makes some difference, just not sure how to
> make
> the adjustments before it goes up.
>
> Any help is appreciated.
>
> 73, KQ4XF

>
> Dwayne
>
> [Non-text portions of this message have been removed]
>
>
>
>

21616. AW: [ham-antennas] Coax for Loop antennas V factor etc

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 14:52:03 UTC
From: siegfried jackstien
Topic: 21494 Message: 21616

Dough
Vf has nothing to do if the shield has more or less strands (or is a copper tube) ...
So it is not a question if population is dense ort not)or if shield is dense or not)
Vf is dependant from dielectric material used ... and if it is a massive or foam insulation (more air= higher vf)
Massive coax inner insulation mostly shows vf of 0.66
And foam or cell insulation shows higher numbers)around 0.8-0.85
So you have to KNOW the EXACT VF ... or you have to measure it ...
Or cut your stub to resonance with ananalyzer

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von doug pfaff
> Gesendet: Samstag, 24. Dezember 2011 13:09
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Coax for Loop antennas V factor etc
>
>
>
> hi sigi
>
> Using the braid from coax for a ground connection would definatly negate
> the .66 factor when used as a coax feed line as commented by Richard.
>
> VF factor is likely brand and cable type specific I looked up RG58U coax
> CU1117 for example from Carol Cable made in North America and its velocity
> factor is in fact .66 refer to the attached pdf file.
>
> If you check other specific cable type WITH IN THE SPEC SHEET you can find
> .72 and .82 VF coaxes based on this single page reference.
>
> Can you comment on the European spec sheets
>
> This says we have to be careful on generalizations and get the exact
> specifics based on specific manufactures product number .
>
> The last coax I used was the c1117 which most electrical/electronic
> wholesalers stock as its cheap.
>
> I based my design impedance matching section length based on the actual

> coax using the 1/4 formula using the .66 factor and the matching was
> 100/50 ohm transition
>
> Can you mention the specific brand you looked up with the manufacturing
> standards used, I suspect the European standards might be quite a bit
> higher vf factors to eliminate rfi due to high density systems.in Europe
> .82 might be consider unacceptable.
>
> Europeans have a much higher populations in smaller spaces and closer
> physical properties between building etc and closeness to the cable
> distribution structures.
> Newer North American areas are likely buried from day 1 of the
> construction phase if the physical environment allows eg not mountainous
> terrain for example areal cable is the only option for this terrain where
> cable shields factors are important.
>
> Most of our older in house distributions are .66 vf but with the increased
> electronics environment the interference factor today are much more severe
> as a result.
> what did the Europeans use 20 years ago in comparison
>
> Doug ve5dcp
>
> Doug Pfaff
> doug.pfaff@... <mailto:doug.pfaff%40sasktel.net>
> ----- Original Message -----
> From: Richard
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Friday, December 23, 2011 5:33 PM
> Subject: Re: [ham-antennas] Coax for Loop antennas V factor etc
>
> On Fri, 23 Dec 2011 14:05:00 -0600
> "Richard Schmuke" <rdj@... <mailto:rdj%40wildblue.net> > wrote:
>
> > RG-58 is 0.66 as coax but if using the ground/ shield then it would be
> > about0.95 but why use coax unless it is free, wire is much cheaper and
> > better. IMHO
> >
> > Rich/ Kd0zz
> >
> > Subject: AW: [ham-antennas] Coax for Loop antennas V factor etc
> >
> >
> >
> >
> >
> > V= around 0.95 ... like any insulated wire
> >
> > So it is NOT 0.66 !!!
> >

> > Dg9bfc
> > Sigi
> >
> >
> I didn't see what band you were thinking of, or whether you where thinking
> of a long wire loop or a
> magnetic loop.
> RG174 is not strong enough to support its own weight on an long
> unsupported run.
> If you where considering a magnetic loop, for the lower bands the diameter
> of the conductor starts to
> become very important.
> If that was your intention to build a mag loop, find one of the Hams with
> large VHF/UHF arrays and
> enquire if the know of any water damaged 1/2" heliax/hardline. These guys
> have normally got their ears
> to the ground where there are sources of 1/2" hard line.
> The reason I say water damaged is that PTFE foam coax is pretty useless
> once water gets in, and is most
> times thrown out. Cell phone sites will have regular maintenance, which
> sometimes makes some available.
>
> It makes great low band mag loops ,bends easily into shape and you can
> join it with low cost 1/2"
> plumbing fittings, you only use the outer corrugated braid, so water
> damage doesn't matter.
> I use a 16' dia mag loop made from LDF4-50 on 80 mtrs and 160 mtrs, and
> requires minimal mechanical
> support.
> Now I've probably confused the hell outa you all.
>
> --
> Happy Christmas and a Happy New Year
>
> Best wishes / 73
> Richard Bown
>
> e-mail: richard@... <mailto:richard%40g8jvm.com> or
> richard.bown@... <mailto:richard.bown%40blueyonder.co.uk>
>
> nil carborundum a illegitemis
> ###
> #########
> Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon
> 5200, 4 GB RAM
> Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
> QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
> ###
> #########
>

> [Non-text portions of this message have been removed]
>
>
>
>

21617. AW: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 14:54:24 UTC
From: siegfried jackstien
Topic: 21526 Message: 21617

Best would be "made in germany" hi hi

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von kj6ddf
> Gesendet: Samstag, 24. Dezember 2011 08:10
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> USA?
>
>
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in
> the USA?
> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as
> I understand it, it has something to do with EPA regulation, or I suppose
> what that means, EPA Made manufacturing so expensive, that they could not
> compete any more?
>
> I asked my Coax supplier recently who uses genuine US made times microwave
> but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational,
> it may be something made in China might be made very well? But I generally
> feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or
> Japan
> Steve
>
>
>
>
>

21618. Re: anyone used or heard of using 20/22 ga galvanized fence wire for

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 14:59:17 UTC
From: wa5pse
Topic: 21544 Message: 21618

That's a great idea...

Would really like to see the results of a model comparison of, oh say, a few, one wavelength loops, made of various materials, from copper, aluminum up to some 'RELATIVELY' higher resistance metals...

Also, it would need to be done with normal diameter conductors vs really fine stuff...

I'm banking that the conductor size, would quickly exagerate the resistivity difference.

For this one, I may just break down and jump into EZNEC!

Actually, considering the challenges of having antennas in some areas, this has been one of the most intriguing questions I've seen on this group.

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, James Irving <k9jfk@...> wrote:
>
> Well.....
>
> Instead of kicking a opinions around, why not just model a dipole using copper wire and then compare it models using different types of wire.
>
> If I remember correctly, it doesn't make as much a difference as you'd think it should.
>
> Any antenna radiates better than no antenna.....
>
> Jim, k9jfk
>
>
> [Non-text portions of this message have been removed]
>

21619. Re: [ham-antennas] My 5BTV not have good reception

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 14:58:29 UTC
From: Dan Schaaf
Topic: 21555 Message: 21619

If those radials are on the ground, length will not matter. If they are elevated radials, then yes, adjusting length will help, but that is really putting a bandage on a problem, not the correct solution.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: siegfried jackstien
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 9:37 AM
Subject: AW: [ham-antennas] My 5BTV not have good reception

15 and 20 resonate a bit high ... try to add a few inches to the 15 and 20m radials could solve that

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Severino Mastracci
> Gesendet: Sonntag, 25. Dezember 2011 01:02
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] My 5BTV not have good reception
>
>
>
> Many Thank´s for replay Dave,
>
> 1-. I use MFJ-229b Analyzer
>
> For 10m Point High SWR 1.6 - 28.000 / Point Low SWR 28.570 1.1
> For 15m Point High SWR 3.2 - 21.900 / Point Low SWR 21.300 1.0
> For 20m Point High SWR 4.3 - 14.900 / Point Low SWR 14.300 1.2
> For 40m all range 7.000 - 7.200 SWR 2.0 Average
> For 80m range 3.560 - 3.670 SWR 1.8 Average
>

> 2-. I use for feeding LMR-200 same G5RV.
>
> 3-. Balum is Air Choke (Coaxial RG-8) Homemade. / Balum was on
> recommendation, but is i can remove it.
>
> 4-. Radial Cable #14
>
> --
> *YV5OF
> Severino Mastracci. **
> Twitter : @yv5of*
> *QRZ :* http://www.qrz.com/yv5of <http://www.qrz.com/yy5cbk>
> *Locator: FK60OK*
> *ITU Zone : 12
> CQ Zone : 9
> Caracas / Venezuela
> South América.*
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

21620. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 15:01:22 UTC
From: Dan Schaaf
Topic: 21526 Message: 21620

Does it really matter? I have used many different manufactured PL-259s and they all seem to work just fine.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: siegfried jackstien
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 9:54 AM
Subject: AW: [ham-antennas] are there any PL-259 connectors still made in the USA?

Best would be "made in germany" hi hi

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von kj6ddf
> Gesendet: Samstag, 24. Dezember 2011 08:10
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> USA?
>
>
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in
> the USA?
> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as
> I understand it, it has something to do with EPA regulation, or I suppose
> what that means, EPA Made manufacturing so expensive, that they could not
> compete any more?
>
> I asked my Coax supplier recently who uses genuine US made times microwave
> but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational,
> it may be something made in China might be made very well? But I generally

> feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or
> Japan
> Steve
>
>
>
>
>

[Non-text portions of this message have been removed]

21621. Re: Help with beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 15:06:32 UTC
From: wa5pse
Topic: 21509 Message: 21621

Dwayne,

I have a 52' crank-up...

My CushCraft tri-bander is optimally tuned at the fully extended position...

This summer we had a lot of high winds, so, I lowered the tower about 1/3'd...

WOW...my SWR curve moved down a good 100khz to 200khz depending on the band!!

So, I'm not surprised at what you are seeing.

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, "Dwayne" <dwayne@...> wrote:
>
> Hello All,
>
> This is my first post to the group, and hopefully I will not dork it up.
>
>
>
> I have always used wire antennas up to this point. But recently I was given
> a beam antenna.
>
> It is a Hy-Gain TH-4 best I can tell. Did not get paper work with it.
>
> Did get the manual on line for the TH-4. (looks the closet to what I have)
>
>
>
> Here is my problem.
>
>
>
> When I set up the beam at four feet off the ground, I can get the SWR
> perfect for the three bands, (10/15/20)
>
> using an antenna analyzer.
>
> However, when I put it up at 15 feet to test it for a week, SWR changes to
> no good. Back at four feet they are great.
>
>
>
> I know height above ground makes some difference, just not sure how to make
> the adjustments before it goes up.

>
>
>
> Any help is appreciated.
>
>
>
> 73, KQ4XF
>
> Dwayne
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21622. RE: [ham-antennas] my first antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 15:29:26 UTC
From: Richard Schmuke
Topic: 21528 Message: 21622

Sigi brought up a good point that is often left out when talking about any wire antenna. You should add a pull-eye on the trees with a counter-weight if possible
The trees will move in the wind and you sure not want that your wire breaks.

All new antenna builders should remember this, when supporting the antenna with trees the weather can cause problems, wind and ice will break a wire unless you have a strain relief. A pulley with a simple weight, a brick or two will work, or a table but I have never tried a table.

73 , Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of siegfried jackstien
Sent: Monday, December 26, 2011 8:34 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] my first antenna

30-35 feet is ok but sure 50 or 100 feet is better
...
On the lower bands every feet counts ...
You can maybe hang it a bit sloped (so use tall and not so tall trees)
Add a pole to the house (put your 2 band vertical for vhf/uhf on it)
That would give you another 10-15 feet over the house to get close to 50 feet

If you have only 3 high points why not build a delta loop ...
So only one point at the house needed ... and 2 tall trees that are in the backyard ... if one is a bit smaller ... who cares?!?

A low antenna is better as no antenna ...

And old timers said if you not make it high ... make it long

So with your 1wl loop you are on the right way

If you have too much sag (cause a longer run) use aluminium fence wire instead of insulated copper

You should add a pull-eye on the trees with a counter-weight if possible

The trees will move in the wind and you sure not want that your wire breaks

On my loop I made a safety thing on one edge:
One rope goes over a tree limp and down to earth in an unused storage room
The rope is secured to a table in the room (do NOT laugh pls) ...
Now if there is a heavy storm the table moves to the door and stays there
Antenna now has a lot of sag and can move free in the wind without too much

stress on the wire
When storm is away I just push the table back on its place :-)

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> Auftrag von kj6ddf
> Gesendet: Samstag, 24. Dezember 2011 11:39
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] my first antenna
>
>
>
> Well I don't have it yet,
>
> but I ordered a "store bought" 160 meter loop with 124 ft ladder line
>
> the house has a tall roof, I used to climb trees when I was old enough to
> reach the lowest limb, perhaps 5 years old and later I was an Ironworker,
> and even if I shouldn't, because I have back and neck problems I climbed
> up onto the roof.
> I was still scared, which showed my brain was working just fine.
> I don't know if I'm up to putting the antenna up myself or not.
>
> The top of the roof must be 30 or 35 ft high, there are several trees in
> the back yard that are possibly useful, but aren't very big trees. The
> wire is 14 ga with insulation, so it's probably on the heavy side.
>
> If I only hung it from 4 points, I'd have to have strong trees or if I am
> able to use the top of the roof as two points for the front.
>
> Maybe I can put more insulators, I might go over the top of the garage,
> and that would be an additional insulator and maybe if I added several
> more so there wouldn't be so much weight on the one in the back yard all
> the way in the back, north west side.
>
> Then over to the other side of the back yard, or the north east corner,
> I'm not sure which tree, but there is a large red oak tree, and from there
> I'm not sure. When I first measured off the yard, it's roughly 120 ft x
> 110 ft, so I may have more antenna that yard, unless I spread it or fold
> it a bit, I'm told I can do that.
>
> It's interesting, I get all sorts of advice from knowledgeable people, and
> I understand, (most of the time) what they are talking about, but when I
> go to talking about what they advised me to do, I can't say it very well.
>
> Anyway, from the top of roof on the east side, the south east side, the

> ladder line will come down the side of the house, I'm not sure how it will
> work because of the length, but under the eaves keeping it away from
> metal, (that part I remember well from advice I was given) to the MJF
> window thru.
>
> The yard and surrounding area has very tall trees, maybe 110 ft, mostly
> oaks and other deciduous trees. When I was a kid, all that mean to me was
> they "rained" leaves all year long and my dad wanted the leaves raked up
> every week, so I hated them, except to climb them.
>
> But now I wish I had a few more in the right places in the yard. But there
> are some smaller ones, I wonder if I get it up about 30 or 35 feet will
> that be high enough?
>
> thanks
> steve
>
>
>
>

[Non-text portions of this message have been removed]

21623. RE: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 15:39:05 UTC
From: Richard Schmuke
Topic: 21526 Message: 21623

I am not sure about the PL-259 but I have two Stihl chain saws and the one made by Stuttgart Germany is much better quality than the one made in America. I made the mistake of buying the American one first.

So do they make PL-259□s over there, we don□t make much over here anymore?

Rich , Kd0zz

Best would be "made in germany" hi hi

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> Auftrag von kj6ddf
> Gesendet: Samstag, 24. Dezember 2011 08:10
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> USA?
>
>
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in
> the USA?
> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as
> I understand it, it has something to do with EPA regulation, or I suppose
> what that means, EPA Made manufacturing so expensive, that they could not
> compete any more?
>
> I asked my Coax supplier recently who uses genuine US made times microwave
> but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational,
> it may be something made in China might be made very well? But I generally
> feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or
> Japan
> Steve
>
>

>
>
>

[Non-text portions of this message have been removed]

21624. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 15:43:15 UTC
From: Dan Schaaf
Topic: 21526 Message: 21624

There may be some made here but you can't afford them

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 10:39 AM
Subject: RE: [ham-antennas] are there any PL-259 connectors still made in the USA?

I am not sure about the PL-259 but I have two Stihl chain saws and the one
made by Stuttgart Germany is much better quality than the one made in
America. I made the mistake of buying the American one first.

So do they make PL-259's over there, we don't make much over here anymore?

Rich , Kd0zz

Best would be "made in germany" hi hi

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> Auftrag von kj6ddf
> Gesendet: Samstag, 24. Dezember 2011 08:10
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> USA?
>
>
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in
> the USA?

> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as
> I understand it, it has something to do with EPA regulation, or I suppose
> what that means, EPA Made manufacturing so expensive, that they could not
> compete any more?
>
> I asked my Coax supplier recently who uses genuine US made times microwave
> but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational,
> it may be something made in China might be made very well? But I generally
> feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or
> Japan
> Steve
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21625. Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 16:33:39 UTC
From: wa5pse
Topic: 21526 Message: 21625

I don't know where Amphenol makes theirs, but, I found half a dozen of them, still in the wrappers, for real cheap, at a recent hamfest...

If you can find, the real, genuine, in the wrapper, Amphenol as surplus, go for it....

And YES, YES, YES, there can be just a great big, huge, whopping difference in the quality of the PL259...

Definitely, go with good ones and save yourself some aggravation!

Mike, WA5PSE

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in the USA?
> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as I understand it, it has something to do with EPA regulation, or I suppose what that means, EPA Made manufacturing so expensive, that they could not compete any more?
>
>
> I asked my Coax supplier recently who uses genuine US made times microwave but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational, it may be something made in China might be made very well? But I generally feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or Japan
> Steve
>

21626. Re: G800SA Yaesu rotor control unit

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 16:36:28 UTC
From: John
Topic: 21581 Message: 21626

--- In ham-antennas@yahoogroups.com, "Dave" <dward42586@...> wrote:
>
> I have an 11 month old G800SA rotor. After 6 months in operation, it suddenly stopped working. When I put my ear on the cabinet of the controller, I could hear a faint hum. No light, no action when operating the rocker switch. I have another, identical 5 year old rotor. I used it to make sure the problem was not the rotor itself , or the cable.
>
> Sent to to Yaesu in CA said they couldn't get the part to fix it. When they sent it back it has a very loud hum when plugged in, even with switch in off position.
>
> I'm looking for a replacement controller unit or suggestions or who might be able to fix mine.
>
I had a similar experience with my Yaesu rotor many years ago. They always claim it was lightning damage. The design of the control box is pretty old technology. It is overly complex considering todays resources.

The required function is pretty simple. The motor assembly runs at about 15 volts in high speed. I found mine does fine (with only an A3S Cushcraft) at the 12.6V that runs my station. It draws less than one amp. A DTDT-center off switch will provide motion. There is a 500 ohm (approx) pot that senses the current position. If you put an ohmeter on the center of the pot and the other lead on the right wire it comes pretty close to indicating degrees. I ran that way for a year or so while I fiddled with a microprocessor controller.

I only work on the project occaisionally and it is currently at the point where I turn a knob to indicate the desired heading and the rotor seeks that heading. The LCD also indicates a little more info that I used in debugging. It works too good! It is installed in a cardboard box and still on a prototype board. I never dreamed it would work this well this many years. I decided that I wanted to add some more features (control from computer, control from logging program, control from Ham Radio Deluxe, etc.) so I have not taken it further. I have a lot of projects like this that I will never really get finished considering I am nearing my 72 birthday!

It does not look too difficult to simply duplicate the origional functions in the Yeasu box. The fancy motor driven indicator looks like a standalone servo driven indicator. Also, keep the power supply. The rest is easy to replicate with a microprocessor.

There are commercially available replacement control boxes that look good to me. Check out the Ham vendors. I considered pursuing it as a product but my AADD kicked in and I never got around to it! I am really happy that the world named my Adult Attention Deficit Disorder! Perhaps some one will pick up this bit of information and put an affordable product together.

There are not too many of us old "fix it" guys around any more. It is even more rare to find one that works for a vendor. A few years back I needed an extinct part for my still in use power supply that came with my Yaesu FT-301D transciever. A casual conversation on the air with a ham in South America led to a part number for a kit from Yaesu (less than $10!) that replaced the part. Ordering the part from Yaesu (Vertex) was no problem. I got a spare. I cannot volunteer to help you with your unit because I am too far behind. I still have not fulfilled an earlier promise on this forum regarding a 6 meter beam computer model! I have had a great life & it keeps getting better... 73 W8CCW SK

21627. Re: Help with beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 16:56:11 UTC
From: John
Topic: 21509 Message: 21627

If all the work of up & down is overwhelming, Consider putting it in position and giving it a try. If the SWR works out greater than where you want to use it, put an antenna tuner at the radio end. All you are going to loose is in feedline losses. The antenna will work fine. The first time up will be the hardest, you will learn a lot!

73 W8CCW
--- In ham-antennas@yahoogroups.com, "Dwayne" <dwayne@...> wrote:
>
>>

21628. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 17:09:46 UTC
From: Stephen Bennett
Topic: 21526 Message: 21628

I should have added Germany to the list with Japan. I'm planning on buying a Key made in Germany, and two more in Italy, and I said not all items made in China are bad, I just don't have much confidence in them.

But what I was hoping to find out, does anyone know of any still made in the USA, But I guess than answer is no...

Steve

From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 9:39 AM
Subject: RE: [ham-antennas] are there any PL-259 connectors still made in the USA?

I am not sure about the PL-259 but I have two Stihl chain saws and the one made by Stuttgart Germany is much better quality than the one made in America. I made the mistake of buying the American one first.

So do they make PL-259’s over there, we don’t make much over here anymore?

Rich , Kd0zz

Best would be "made in germany" hi hi

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> Auftrag von kj6ddf
> Gesendet: Samstag, 24. Dezember 2011 08:10
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> USA?
>
>
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in
> the USA?
> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as
> I understand it, it has something to do with EPA regulation, or I suppose

> what that means, EPA Made manufacturing so expensive, that they could not
> compete any more?
>
> I asked my Coax supplier recently who uses genuine US made times microwave
> but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational,
> it may be something made in China might be made very well? But I generally
> feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or
> Japan
> Steve
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21629. Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 17:11:55 UTC
From: unclegeorgessurplus
Topic: 21526 Message: 21629

Greetings,
You may call Mauser Electronics in Texas as they google with Amphonel,and see what they know. Radio shacks just melt when soldering the inner connection.
Amphonel used to make the best along with other American companies.
Germany is also known for quality merchandise but, company names are unknown to me.
Good luck,
George

--- In ham-antennas@yahoogroups.com, "siegfried jackstien" <siegfried.jackstien@...> wrote:
>
> Best would be "made in germany" hi hi
>
> Dg9bfc
> Sigi
>
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von kj6ddf
> > Gesendet: Samstag, 24. Dezember 2011 08:10
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> > USA?
> >
> >
> >
> > I wonder if anyone knows of anyone who still makes connectors- PL-259's in
> > the USA?
> > Or perhaps Japan?
> >
> > And as I understand it, even Amphenols connector are now made in China, as
> > I understand it, it has something to do with EPA regulation, or I suppose
> > what that means, EPA Made manufacturing so expensive, that they could not
> > compete any more?
> >
> > I asked my Coax supplier recently who uses genuine US made times microwave
> > but the PL-259 connectors are made in Taiwan
> >
> > Which is (I think) better than China, but that's an overall generational,
> > it may be something made in China might be made very well? But I generally
> > feel much better when I read made in Taiwan.
> > Still I'd like to find out if there is someone who makes them in the US or
> > Japan
> > Steve

> >
> >
> >
> >
> >
>

21630. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 17:12:01 UTC
From: Paul V Birke PEng
Topic: 21526 Message: 21630

I have ordered 4 from Greece

otherwise I could not find any else on ebay about 3 weeks ago

Paul in Guelph ON VE3PVB

From: Stephen Bennett <kj6ddf@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Monday, December 26, 2011 12:09:46 PM
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

I should have added Germany to the list with Japan. I'm planning on buying a Key made in Germany, and two more in Italy, and I said not all items made in China are bad, I just don't have much confidence in them.

But what I was hoping to find out, does anyone know of any still made in the USA, But I guess than answer is no...

Steve

From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 9:39 AM
Subject: RE: [ham-antennas] are there any PL-259 connectors still made in the USA?

I am not sure about the PL-259 but I have two Stihl chain saws and the one made by Stuttgart Germany is much better quality than the one made in America. I made the mistake of buying the American one first.

So do they make PL-259’s over there, we don’t make much over here anymore?

Rich , Kd0zz

Best would be "made in germany" hi hi

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> Auftrag von kj6ddf
> Gesendet: Samstag, 24. Dezember 2011 08:10
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> USA?
>
>
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in
> the USA?
> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as
> I understand it, it has something to do with EPA regulation, or I suppose
> what that means, EPA Made manufacturing so expensive, that they could not
> compete any more?
>
> I asked my Coax supplier recently who uses genuine US made times microwave
> but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational,
> it may be something made in China might be made very well? But I generally
> feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or
> Japan
> Steve
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21631. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 18:27:15 UTC
From: Ron Youvan
Topic: 21526 Message: 21631

Mr. Stephen Bennett wrote:

/*snip*/
> But what I was hoping to find out, does anyone know of any still made in the USA, But I guess than
> answer is no...

The answer is: This list seems to not be populated with "big mouth know it alls", as many are.
Seems we users don't always know where our materials are made, unless they are marked conspicuously.

Can you call the various manufacturers and ask? We'd like to hear what you learned, no doubt.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21632. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 18:40:26 UTC
From: Don Sanders
Topic: 21526 Message: 21632

Hi Sigi, I wish they were available here in Ecuador.
I need to order some"good"connectors.
Coax and connectors as well as electronic parts are almost unobtanium here.

Dr Don HC4/W4BWS

On Mon, Dec 26, 2011 at 9:54 AM, siegfried jackstien <
siegfried.jackstien@...> wrote:

> **
>
>
> Best would be "made in germany" hi hi
>
> Dg9bfc
> Sigi
>
> > -----Urspr?ngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von kj6ddf
> > Gesendet: Samstag, 24. Dezember 2011 08:10
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> > USA?
> >
> >
> >
> > I wonder if anyone knows of anyone who still makes connectors- PL-259's
> in
> > the USA?
> > Or perhaps Japan?
> >
> > And as I understand it, even Amphenols connector are now made in China,
> as
> > I understand it, it has something to do with EPA regulation, or I suppose
> > what that means, EPA Made manufacturing so expensive, that they could not
> > compete any more?
> >
> > I asked my Coax supplier recently who uses genuine US made times
> microwave
> > but the PL-259 connectors are made in Taiwan
> >
> > Which is (I think) better than China, but that's an overall generational,

> > it may be something made in China might be made very well? But I
> generally
> > feel much better when I read made in Taiwan.
> > Still I'd like to find out if there is someone who makes them in the US
> or
> > Japan
> > Steve
> >
> >
> >
> >
> >
>
>
>

[Non-text portions of this message have been removed]

21633. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 18:55:16 UTC
From: Dan Schaaf
Topic: 21526 Message: 21633

Steve
I was being facetious. We are in a recession. Do I need to explain that also?

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com

“Problems cannot be solved by the same level of thinking that created them.” - Albert Einstein

----- Original Message -----
From: Stephen Bennett
To: dan-schaaf@...
Sent: Monday, December 26, 2011 12:04 PM
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Hi Dan,
Are there some that you know of (that can't be afforded)

Steve

From: Dan Schaaf <dan-schaaf@...>
To: ham-antennas@...m
Sent: Monday, December 26, 2011 9:43 AM
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

There may be some made here but you can't afford them

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com
NOBSKA www.nobska.net
Cape Cod Instruments www.gnm-inc.com
Tel: 941-766-0706
Fax: 941-766-0707

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 10:39 AM

Subject: RE: [ham-antennas] are there any PL-259 connectors still made in the USA?

I am not sure about the PL-259 but I have two Stihl chain saws and the one made by Stuttgart Germany is much better quality than the one made in America. I made the mistake of buying the American one first.

So do they make PL-259's over there, we don't make much over here anymore?

Rich , Kd0zz

Best would be "made in germany" hi hi

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
] Im
> Auftrag von kj6ddf
> Gesendet: Samstag, 24. Dezember 2011 08:10
> An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> USA?
>
>
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in
> the USA?
> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as
> I understand it, it has something to do with EPA regulation, or I suppose
> what that means, EPA Made manufacturing so expensive, that they could not
> compete any more?
>
> I asked my Coax supplier recently who uses genuine US made times microwave
> but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational,
> it may be something made in China might be made very well? But I generally
> feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or
> Japan
> Steve
>
>
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21634. Re: v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 19:49:04 UTC
From: fly_ul
Topic: 21476 Message: 21634

What swr did you have on 10 - 20 meters

Jeff WO4R

-- In ham-antennas@yahoogroups.com, Dave <wa6txu@...> wrote:
>
> Love my v beam. At 30 feet at center. Legs are 133 ft long up at 40 ft attached to trees. Angle at v is 45 degrees great local and DX. 2db gain on 80 and up to 8db on 10 mtrs. Fed by twinlead.
>
> Sent from my awesome iPhone 4S
>

21635. RE: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 20:05:55 UTC
From: Jeff Clagg
Topic: 21526 Message: 21635

http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&Ite
mid=82

Web page says "Still made in the USA" Jeff AE7NV

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Don Sanders
Sent: Monday, December 26, 2011 10:40 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in
the USA?

Hi Sigi, I wish they were available here in Ecuador.
I need to order some"good"connectors.
Coax and connectors as well as electronic parts are almost unobtanium here.

Dr Don HC4/W4BWS

On Mon, Dec 26, 2011 at 9:54 AM, siegfried jackstien <
siegfried.jackstien@...> wrote:

> **
>
>
> Best would be "made in germany" hi hi
>
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
> > [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von kj6ddf
> > Gesendet: Samstag, 24. Dezember 2011 08:10
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] are there any PL-259 connectors still made
> > in the USA?
> >
> >
> >
> > I wonder if anyone knows of anyone who still makes connectors-
> > PL-259's
> in

> > the USA?
> > Or perhaps Japan?
> >
> > And as I understand it, even Amphenols connector are now made in
> > China,
> as
> > I understand it, it has something to do with EPA regulation, or I
> > suppose what that means, EPA Made manufacturing so expensive, that
> > they could not compete any more?
> >
> > I asked my Coax supplier recently who uses genuine US made times
> microwave
> > but the PL-259 connectors are made in Taiwan
> >
> > Which is (I think) better than China, but that's an overall
> > generational, it may be something made in China might be made very
> > well? But I
> generally
> > feel much better when I read made in Taiwan.
> > Still I'd like to find out if there is someone who makes them in the
> > US
> or
> > Japan
> > Steve
> >
> >
> >
> >
> >
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21636. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 21:49:21 UTC
From: Stephen Bennett
Topic: 21526 Message: 21636

Thanks for the link, I forwarded it to the lady who makes up my Coax, she was the one who gave me the info. I even found a forum which said they weren't made in the USA anymore... very interesting how false info gets spread around.
That's why I asked the group, I wanted to be sure. I thought I had checked the company website, but maybe I failed to do that, but at least I asked the group.

thanks very much!

the reason I asked? one of the connectors on a coax I bought failed, I had just hooked it up and decided to move the radio. and noticed there was a sharp edge. When I took a closer look when I got it off I saw a tiny 1/16th of an inch where the metal had separated just at the edge of the cup, it wasn't much, but it shouldn't have happened and indicated to me, I thought, that the metal was of inferior grade. So I sent it back and asked , "are these made in the USA? and the answer was "none are made in the USA" so I asked the group.

Steve

again, thanks for your help

From: Jeff Clagg <jclagg@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 2:05 PM
Subject: RE: [ham-antennas] are there any PL-259 connectors still made in the USA?

http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&Ite
mid=82

Web page says "Still made in the USA" Jeff AE7NV

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Don Sanders
Sent: Monday, December 26, 2011 10:40 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in
the USA?

Hi Sigi, I wish they were available here in Ecuador.
I need to order some"good"connectors.
Coax and connectors as well as electronic parts are almost unobtanium here.

Dr Don HC4/W4BWS

On Mon, Dec 26, 2011 at 9:54 AM, siegfried jackstien <
siegfried.jackstien@freenet.de> wrote:

> **
>
>
> Best would be "made in germany" hi hi
>
> Dg9bfc
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
> > [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von kj6ddf
> > Gesendet: Samstag, 24. Dezember 2011 08:10
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] are there any PL-259 connectors still made
> > in the USA?
> > >
> > >
> > >
> > I wonder if anyone knows of anyone who still makes connectors-
> > PL-259's
> in
> > the USA?
> > Or perhaps Japan?
> > >
> > And as I understand it, even Amphenols connector are now made in
> > China,
> as
> > I understand it, it has something to do with EPA regulation, or I
> > suppose what that means, EPA Made manufacturing so expensive, that
> > they could not compete any more?
> > >
> > I asked my Coax supplier recently who uses genuine US made times
> microwave
> > but the PL-259 connectors are made in Taiwan
> > >
> > Which is (I think) better than China, but that's an overall
> > generational, it may be something made in China might be made very
> > well? But I
> generally
> > feel much better when I read made in Taiwan.
> > Still I'd like to find out if there is someone who makes them in the
> > US
> or
> > Japan
> > Steve
> > >
> > >
> > >
> > >

> >
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

21637. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 22:01:51 UTC
From: Stephen Bennett
Topic: 21526 Message: 21637

A P. Jeff, my Coax maker who told me that PL-259's weren't made in the USA anymore, was only going by what her Pl-259 vendor told her... and I'm not sure if he knew, I looked at the website, and other than contacting them, it didn't have any place where you could buy them? I wonder why

Thanks again Jeff
73

Steve

From: Jeff Clagg <jclagg@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 2:05 PM
Subject: RE: [ham-antennas] are there any PL-259 connectors still made in the USA?

http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&Ite
mid=82

Web page says "Still made in the USA" Jeff AE7NV

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Don Sanders
Sent: Monday, December 26, 2011 10:40 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in
the USA?

Hi Sigi, I wish they were available here in Ecuador.
I need to order some"good"connectors.
Coax and connectors as well as electronic parts are almost unobtanium here.

Dr Don HC4/W4BWS

On Mon, Dec 26, 2011 at 9:54 AM, siegfried jackstien <
siegfried.jackstien@...> wrote:

> **
>
>
> Best would be "made in germany" hi hi
>
> Dg9bfc
> Sigi
>

> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
> > [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von kj6ddf
> > Gesendet: Samstag, 24. Dezember 2011 08:10
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] are there any PL-259 connectors still made
> > in the USA?
> >
> >
> >
> > I wonder if anyone knows of anyone who still makes connectors-
> > PL-259's
> in
> > the USA?
> > Or perhaps Japan?
> >
> > And as I understand it, even Amphenols connector are now made in
> > China,
> as
> > I understand it, it has something to do with EPA regulation, or I
> > suppose what that means, EPA Made manufacturing so expensive, that
> > they could not compete any more?
> >
> > I asked my Coax supplier recently who uses genuine US made times
> microwave
> > but the PL-259 connectors are made in Taiwan
> >
> > Which is (I think) better than China, but that's an overall
> > generational, it may be something made in China might be made very
> > well? But I
> generally
> > feel much better when I read made in Taiwan.
> > Still I'd like to find out if there is someone who makes them in the
> > US
> or
> > Japan
> > Steve
> >
> >
> >
> >
> >
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

21638. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 22:19:30 UTC
From: Richard Solomon
Topic: 21526 Message: 21638

It seems only reasonable ... why should your vendor or their vendor tell
you
something that may lead you to another source. After all, it's not your
best
interest they are looking out for.

This thread really makes me laugh ... how long ago did we look upon the
Japanese stuff with the same disdain. Now they are considered "high
quality" !!

Remember the flap about product marked ..."Made in USA"... , right except
it was Usa, Japan !!

73, Dick, W1KSZ

On Mon, Dec 26, 2011 at 3:01 PM, Stephen Bennett <kj6ddf@...> wrote:

> **
>
>
> A P. Jeff, my Coax maker who told me that PL-259's weren't made in the USA
> anymore, was only going by what her Pl-259 vendor told her... and I'm not
> sure if he knew, I looked at the website, and other than contacting them,
> it didn't have any place where you could buy them? I wonder why
>
> Thanks again Jeff
> 73
>
> Steve
>
>
> _____
> From: Jeff Clagg <jclagg@...>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, December 26, 2011 2:05 PM
> Subject: RE: [ham-antennas] are there any PL-259 connectors still made in
> the USA?
>
>
>
>
>
> http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&Ite
> mid=82
>

> Web page says "Still made in the USA" Jeff AE7NV
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Don Sanders
> Sent: Monday, December 26, 2011 10:40 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] are there any PL-259 connectors still made in
> the USA?
>
> Hi Sigi, I wish they were available here in Ecuador.
> I need to order some"good"connectors.
> Coax and connectors as well as electronic parts are almost unobtanium here.
>
> Dr Don HC4/W4BWS
>
> On Mon, Dec 26, 2011 at 9:54 AM, siegfried jackstien <
> siegfried.jackstien@...> wrote:
>
> > **
> > >
> > >
> > Best would be "made in germany" hi hi
> > >
> > Dg9bfc
> > Sigi
> > >
> > > -----Urspr?ngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com
> > > [mailto:ham-antennas@yahoogroups.com]
> > Im
> > > Auftrag von kj6ddf
> > > Gesendet: Samstag, 24. Dezember 2011 08:10
> > > An: ham-antennas@yahoogroups.com
> > > Betreff: [ham-antennas] are there any PL-259 connectors still made
> > > in the USA?
> > > >
> > > >
> > > >
> > > I wonder if anyone knows of anyone who still makes connectors-
> > > PL-259's
> > in
> > > the USA?
> > > Or perhaps Japan?
> > > >
> > > And as I understand it, even Amphenols connector are now made in
> > > China,
> > as
> > > I understand it, it has something to do with EPA regulation, or I

> > > suppose what that means, EPA Made manufacturing so expensive, that
> > > they could not compete any more?
> > >
> > > I asked my Coax supplier recently who uses genuine US made times
> > microwave
> > > but the PL-259 connectors are made in Taiwan
> > >
> > > Which is (I think) better than China, but that's an overall
> > > generational, it may be something made in China might be made very
> > > well? But I
> > generally
> > > feel much better when I read made in Taiwan.
> > > Still I'd like to find out if there is someone who makes them in the
> > > US
> > or
> > > Japan
> > > Steve
> > >
> > >
> > >
> > >
> > >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@...m
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21639. Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-26 22:54:22 UTC
From: AB2ZY
Topic: 21526 Message: 21639

The country of origin is less important than the specifications and tolerances of the manufactured product and verifying same.

Manufacturers in China run the gamut from GMP & ISO9001 certified facilties to counterfeiters and outright criminal adulterators.

If you are going to source parts from China and quality is important to you, you have to commit resources to regularly auditing your offshore suppliers and ensuring that the product is what you and your customers expect.

In a number of industries, it is almost impossible to source components or chemicals that are entirely China free. You have to know what you are buying or run the risk of assuming a potentially fatal liability.

As an example, most people know about the Chinese dog food that was sold through Wal-Mart that poisoned a number of pets. One of the ingredients was adulterated with melamaine, a plastic that "fools" the standard tests for protein content. Melamine is apparently cheaper than sourcing an ingredient that meets minimal quality standards. American and European infant food manufacturers usually avoid Chinese ingredients because the risks involved, but they are also able to charge a premium for their products to cover the additional cost. Not widely reported in the US was the number of Chinese children who were poisoned in exatly the same fashion by Chinese manufactured infant formula.

Al
AB2ZY

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> Steve
> I was being facetious. We are in a recession. Do I need to explain that also?
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
>
> â□□Problems cannot be solved by the same level of thinking that created them.â□□ - Albert Einstein
>
>
> ----- Original Message -----
> From: Stephen Bennett
> To: dan-schaaf@...
> Sent: Monday, December 26, 2011 12:04 PM
> Subject: Re: [ham-antennas] are there any PL-259 connectors still made in the USA?
>

>
> Hi Dan,
> Are there some that you know of (that can't be afforded)
>
>
> Steve
>
>
>
> ---
> From: Dan Schaaf <dan-schaaf@...>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, December 26, 2011 9:43 AM
> Subject: Re: [ham-antennas] are there any PL-259 connectors still made in the USA?
>
>
>
> There may be some made here but you can't afford them
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
> NOBSKA www.nobska.net
> Cape Cod Instruments www.gnm-inc.com
> Tel: 941-766-0706
> Fax: 941-766-0707
>
> "Problems cannot be solved by the same level of thinking that created them." - Albert Einstein
>
> ----- Original Message -----
> From: Richard Schmuke
> To: ham-antennas@yahoogroups.com
> Sent: Monday, December 26, 2011 10:39 AM
> Subject: RE: [ham-antennas] are there any PL-259 connectors still made in the USA?
>
> I am not sure about the PL-259 but I have two Stihl chain saws and the one
> made by Stuttgart Germany is much better quality than the one made in
> America. I made the mistake of buying the American one first.
>
> So do they make PL-259's over there, we don't make much over here anymore?
>
> Rich , Kd0zz
>
> Best would be "made in germany" hi hi
>
> Dg9bfc
> Sigi
>
> > -----UrsprÃ¼ngliche Nachricht-----

> > Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
>] Im
> > Auftrag von kj6ddf
> > Gesendet: Samstag, 24. Dezember 2011 08:10
> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Betreff: [ham-antennas] are there any PL-259 connectors still made in the
> > USA?
> >
> >
> >
> > I wonder if anyone knows of anyone who still makes connectors- PL-259's in
> > the USA?
> > Or perhaps Japan?
> >
> > And as I understand it, even Amphenols connector are now made in China, as
> > I understand it, it has something to do with EPA regulation, or I suppose
> > what that means, EPA Made manufacturing so expensive, that they could not
> > compete any more?
> >
> > I asked my Coax supplier recently who uses genuine US made times microwave
> > but the PL-259 connectors are made in Taiwan
> >
> > Which is (I think) better than China, but that's an overall generational,
> > it may be something made in China might be made very well? But I generally
> > feel much better when I read made in Taiwan.
> > Still I'd like to find out if there is someone who makes them in the US or
> > Japan
> > Steve
> >
> >
> >
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21640. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 00:01:10 UTC
From: Stephen Bennett
Topic: 21526 Message: 21640

Hi Ron,

Jeffrey D Clagg came through with a company in Rochester NY, Andros Manufacturing

http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&Ite

Which does proudly proclaim "Still made in the USA"

http://www.androsmfg.com/images/stories/AndrosMAF.pdf

Looking at the PDF file, a picture of the Space station, and reading it says that their N connectors are being used on the Space Station

So Jeff came through, stayed on topic !

Thanks again to Jeff

73

Steve

From: Ron Youvan <ka4inm@tampabay.rr.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 12:27 PM
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Mr. Stephen Bennett wrote:

/*snip*/
> But what I was hoping to find out, does anyone know of any still made in the USA, But I guess than
> answer is no...

The answer is: This list seems to not be populated with "big mouth know it alls", as many are.
Seems we users don't always know where our materials are made, unless they are marked conspicuously.

Can you call the various manufacturers and ask? We'd like to hear what you learned, no doubt.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

21641. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 00:23:49 UTC
From: DVC3565@aol.com
Topic: 21526 Message: 21641

FYI- Web site doesn't say WHERE..or HOW to buy them though.
Dave-KJ4PF

In a message dated 12/26/2011 7:01:14 P.M. Eastern Standard Time,
kj6ddf@yahoo.com writes:

Hi Ron,

Jeffrey D Clagg came through with a company in Rochester NY, Andros
Manufacturing

_http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&It
e_
(http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&Ite)

Which does proudly proclaim "Still made in the USA"

http://www.androsmfg.com/images/stories/AndrosMAF.pdf
(http://www.androsmfg.com/images/stories/AndrosMAF.pdf)

Looking at the PDF file, a picture of the Space station, and reading it
says that their N connectors are being used on the Space Station

So Jeff came through, stayed on topic !

Thanks again to Jeff

73

Steve

From: Ron Youvan <_ka4inm@tampabay.rr.com_ (mailto:ka4inm@...)
>
To: _ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com)
Sent: Monday, December 26, 2011 12:27 PM
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in
the USA?

Mr. Stephen Bennett wrote:

/*snip*/
> But what I was hoping to find out, does anyone know of any still made in
the USA, But I guess than
> answer is no...

The answer is: This list seems to not be populated with "big mouth know it alls", as many are.
Seems we users don't always know where our materials are made, unless they are marked conspicuously.

Can you call the various manufacturers and ask? We'd like to hear what you learned, no doubt.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21642. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 02:25:12 UTC
From: Stephen Bennett
Topic: 21526 Message: 21642

No, it has contact information, and I emailed them

From: "DVC3565@..." <DVC3565@...>
To: ham-antennas@yahoogroups.com
Sent: Monday, December 26, 2011 6:23 PM
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

FYI- Web site doesn't say WHERE..or HOW to buy them though.
Dave-KJ4PF

In a message dated 12/26/2011 7:01:14 P.M. Eastern Standard Time,
kj6ddf@yahoo.com writes:

Hi Ron,

Jeffrey D Clagg came through with a company in Rochester NY, Andros
Manufacturing

_http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&It
e_
(http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&Ite)

Which does proudly proclaim "Still made in the USA"

http://www.androsmfg.com/images/stories/AndrosMAF.pdf
(http://www.androsmfg.com/images/stories/AndrosMAF.pdf)

Looking at the PDF file, a picture of the Space station, and reading it
says that their N connectors are being used on the Space Station

So Jeff came through, stayed on topic !

Thanks again to Jeff

73

Steve

From: Ron Youvan <_ka4inm@..._ (mailto:ka4inm@...)
>
To: _ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com)
Sent: Monday, December 26, 2011 12:27 PM
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in
the USA?

Mr. Stephen Bennett wrote:

/*snip*/
> But what I was hoping to find out, does anyone know of any still made in the USA, But I guess than
> answer is no...

The answer is: This list seems to not be populated with "big mouth know it alls", as many are.
Seems we users don't always know where our materials are made, unless they are marked conspicuously.

Can you call the various manufacturers and ask? We'd like to hear what you learned, no doubt.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21643. Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 02:35:50 UTC
From: DVC3565@aol.com
Topic: 21526 Message: 21643

Tnx Steve..please let us know what you find out. I will support "Buy USA,"
if WE make it.
73,
Dave-KJ4PF

In a message dated 12/26/2011 9:25:19 P.M. Eastern Standard Time,
kj6ddf@... writes:

No, it has contact information, and I emailed them

From: "_DVC3565@..._ (mailto:DVC3565@...) " <_DVC3565@..._
(mailto:DVC3565@...) >
To: _ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com)
Sent: Monday, December 26, 2011 6:23 PM
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in
the USA?

FYI- Web site doesn't say WHERE..or HOW to buy them though.
Dave-KJ4PF

In a message dated 12/26/2011 7:01:14 P.M. Eastern Standard Time,
kj6ddf@yahoo.com (mailto:kj6ddf@...) writes:

Hi Ron,

Jeffrey D Clagg came through with a company in Rochester NY, Andros
Manufacturing

__http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&I
t_
(http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&It)
e_
(_http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&I
te_
(http://www.androsmfg.com/index.php?option=com_content&view=article&id=77&Ite))

Which does proudly proclaim "Still made in the USA"

__http://www.androsmfg.com/images/stories/AndrosMAF.pdf__
(http://www.androsmfg.com/images/stories/AndrosMAF.pdf_)
(_http://www.androsmfg.com/images/stories/AndrosMAF.pdf_
(http://www.androsmfg.com/images/stories/AndrosMAF.pdf))

Looking at the PDF file, a picture of the Space station, and reading it
says that their N connectors are being used on the Space Station

So Jeff came through, stayed on topic !

Thanks again to Jeff

73

Steve

From: Ron Youvan <__ka4inm@..._
(mailto:_ka4inm@...) _ (mailto:_ka4inm@..._ (mailto:ka4inm@...))
>
To: __ham-antennas@yahoogroups.com_ (mailto:_ham-antennas@yahoogroups.com)
_ (mailto:_ham-antennas@yahoogroups.com_
(mailto:ham-antennas@yahoogroups.com))
Sent: Monday, December 26, 2011 12:27 PM
Subject: Re: [ham-antennas] are there any PL-259 connectors still made in
the USA?

Mr. Stephen Bennett wrote:

/*snip*/
> But what I was hoping to find out, does anyone know of any still made in
the USA, But I guess than
> answer is no...

The answer is: This list seems to not be populated with "big mouth know it
alls", as many are.
Seems we users don't always know where our materials are made, unless they
are marked conspicuously.

Can you call the various manufacturers and ask? We'd like to hear what you
learned, no doubt.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21644. Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 02:48:54 UTC
From: Ralph
Topic: 21526 Message: 21644

Totally agree. Support made in America items

v/r
Ralph
wh7pd

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in the USA?
> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as I understand it, it has something to do with EPA regulation, or I suppose what that means, EPA Made manufacturing so expensive, that they could not compete any more?
>
>
> I asked my Coax supplier recently who uses genuine US made times microwave but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational, it may be something made in China might be made very well? But I generally feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or Japan
> Steve
>

21645. Re: [ham-antennas] Re: are there any PL-259 conn ectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 04:43:11 UTC
From: Robert Costa, KB6QXM
Topic: 21645 Message: 21645

Al,

Granted specifications matter but so does country of origin. It is this type of thinking that is causing manufacturing plants to close in the US and why jobs are being outsourced to lower cost regions.

I would pay a premium to things made in the US, just so the specs are what they need to be. This " it does not matter where it is made" mindset is giving US the Walmart mindset at the expense of American jobs. Do I mind where it is made. Heck yes.

My 2 cents.

73,
Robert
KB6QXM

----- Reply message -----
From: "AB2ZY" <akozak@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?
Date: Mon, Dec 26, 2011 2:54 pm
The country of origin is less important than the specifications and tolerances of the manufactured product and verifying same.

Manufacturers in China run the gamut from GMP & ISO9001 certified facilties to counterfeiters and outright criminal adulterators.

If you are going to source parts from China and quality is important to you, you have to commit resources to regularly auditing your offshore suppliers and ensuring that the product is what you and your customers expect.

In a number of industries, it is almost impossible to source components or chemicals that are entirely China free. You have to know what you are buying or run the risk of assuming a potentially fatal liability.

As an example, most people know about the Chinese dog food that was sold through Wal-Mart that poisoned a number of pets. One of the ingredients was adulterated with melamaine, a plastic that "fools" the standard tests for protein content. Melamine is apparently cheaper than sourcing an ingredient that meets minimal quality standards. American and European infant food manufacturers usually avoid Chinese ingredients because the risks involved, but they are also able to charge a premium for their products to cover the additional cost. Not widely reported in the US was the number of Chinese children who were poisoned in exatly the same fashion by Chinese manufactured infant formula.

Al

AB2ZY

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:

>

> Steve

> I was being facetious. We are in a recession. Do I need to explain that also?

>

> Best Regards

> Dan Schaaf

> K3ZXL www.k3zxl.com

> NOBSKA www.nobska.net

> Cape Cod Instruments www.gnm-inc.com

>

> â□□Problems cannot be solved by the same level of thinking that created them.â□□ - Albert Einstein

>

>

> ----- Original Message -----

> From: Stephen Bennett

> To: dan-schaaf@...

> Sent: Monday, December 26, 2011 12:04 PM

> Subject: Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

>

>

> Hi Dan,

> Are there some that you know of (that can't be afforded)

>

>

> Steve

>

>

>

> ---

> From: Dan Schaaf <dan-schaaf@...>

> To: ham-antennas@yahoogroups.com

> Sent: Monday, December 26, 2011 9:43 AM

> Subject: Re: [ham-antennas] are there any PL-259 connectors still made in the USA?

>

>

>

> There may be some made here but you can't afford them

>

> Best Regards

> Dan Schaaf

> K3ZXL www.k3zxl.com

> NOBSKA www.nobska.net

> Cape Cod Instruments www.gnm-inc.com

> Tel: 941-766-0706

> Fax: 941-766-0707

>

> "Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

>

> ----- Original Message -----

> From: Richard Schmuke

> To: ham-antennas@yahoogroups.com

> Sent: Monday, December 26, 2011 10:39 AM

> Subject: RE: [ham-antennas] are there any PL-259 connectors still made in the USA?

>

> I am not sure about the PL-259 but I have two Stihl chain saws and the one

> made by Stuttgart Germany is much better quality than the one made in

> America. I made the mistake of buying the American one first.

>

> So do they make PL-259's over there, we don't make much over here anymore?

>

> Rich , Kd0zz

>

> Best would be "made in germany" hi hi

>

> Dg9bfc

> Sigi

>

> > -----UrsprÃ¼ngliche Nachricht-----

> > Von: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> [mailto:ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

>] Im

> > Auftrag von kj6ddf

> > Gesendet: Samstag, 24. Dezember 2011 08:10

> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>

> > Betreff: [ham-antennas] are there any PL-259 connectors still made in the

> > USA?

> >

> >

> >

> > I wonder if anyone knows of anyone who still makes connectors- PL-259's in

> > the USA?

> > Or perhaps Japan?

> >

> > And as I understand it, even Amphenols connector are now made in China, as

> > I understand it, it has something to do with EPA regulation, or I suppose

> > what that means, EPA Made manufacturing so expensive, that they could not

> > compete any more?

> >

> > I asked my Coax supplier recently who uses genuine US made times microwave

> > but the PL-259 connectors are made in Taiwan

> >

> > Which is (I think) better than China, but that's an overall generational,

> > it may be something made in China might be made very well? But I generally

> > feel much better when I read made in Taiwan.

> > Still I'd like to find out if there is someone who makes them in the US or

> > Japan

> > Steve

> >

> >

> >

> >

> >

>

> [Non-text portions of this message have been removed]

>

> [Non-text portions of this message have been removed]

>

>

>

>

>

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

21646. Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 07:10:22 UTC
From: Todd F. Carney
Topic: 21645 Message: 21646

I've been reading this thread off-and-on since it began. I've resisted adding anything because my ideas are not nearly as useful as I usually think they are. I have, though, thought about the following.
*
*
1. This Yahoo group is available Worldwide to anyone with access to the Internet, perhaps even in China. It would be interesting to know how many subscribers are not United States citizens. I suppose a rough idea could be had from counting non-K or non-W call signs.
*
*
2. I've also wondered how many American hams proudly display QSL cards from around the World; some winning DX awards and acalades for reaching out and touching the World with their signals on all modes. Flip though any QST or CQ and you'll find pages of listings each month.
*
*
3. I found the following quote from the ARRL site very interesting

With worldwide wireless communications, hams are also ambassadors for their country. Radio provides the opportunity for communications with hams in nearly every other foreign country. There are over 600,000 radio amateurs in the United States and over 2,000,000 worldwide.

I had no idea that American amateurs make us less than a third of the total number around the World!
*
*
*4. Given all this, isn't just a little unbecoming for amateurs in the United States to make public in a World-wide forum their concerns about "foreign" manufacturing and "cheap" labor abroad? *
*
*
***Beats me! But I'm going to think more about this and, in the meantime, to forebear to display my understandable patriotism and national pride with fellow hams around the globe.
*
*
*
Best to all,
*
*
Todd
KF7SIS

*
*
*
*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
Medford, Oregon / (541)
951-5702

"Done is better than perfect." --Anonymous
*
*
*
*

On Mon, Dec 26, 2011 at 8:43 PM, Robert Costa, KB6QXM <kb6qxm@...>wrote:

> **
>
>
> Al,
>
> Granted specifications matter but so does country of origin. It is this
> type of thinking that is causing manufacturing plants to close in the US
> and why jobs are being outsourced to lower cost regions.
>
> I would pay a premium to things made in the US, just so the specs are what
> they need to be. This " it does not matter where it is made" mindset is
> giving US the Walmart mindset at the expense of American jobs. Do I mind
> where it is made. Heck yes.
>
> My 2 cents.
>
> 73,
> Robert
> KB6QXM
>
> ----- Reply message -----
> From: "AB2ZY" <akozak@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in
> the USA?
> Date: Mon, Dec 26, 2011 2:54 pm
> The country of origin is less important than the specifications and
> tolerances of the manufactured product and verifying same.
>
> Manufacturers in China run the gamut from GMP & ISO9001 certified
> facilties to counterfeiters and outright criminal adulterators.
>
> If you are going to source parts from China and quality is important to

> you, you have to commit resources to regularly auditing your offshore
> suppliers and ensuring that the product is what you and your customers
> expect.
>
> In a number of industries, it is almost impossible to source components or
> chemicals that are entirely China free. You have to know what you are
> buying or run the risk of assuming a potentially fatal liability.
>
> As an example, most people know about the Chinese dog food that was sold
> through Wal-Mart that poisoned a number of pets. One of the ingredients was
> adulterated with melamaine, a plastic that "fools" the standard tests for
> protein content. Melamine is apparently cheaper than sourcing an ingredient
> that meets minimal quality standards. American and European infant food
> manufacturers usually avoid Chinese ingredients because the risks involved,
> but they are also able to charge a premium for their products to cover the
> additional cost. Not widely reported in the US was the number of Chinese
> children who were poisoned in exatly the same fashion by Chinese
> manufactured infant formula.
>
> Al
>
> AB2ZY
>
>
>
>
>
>

[Non-text portions of this message have been removed]

21647. Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 07:13:08 UTC
From: Adrian Flynn
Topic: 21645 Message: 21647

Have you forgotten the standard Walmart add BEFORE Mr. Sam Walmart died?
Almost every ad said *"MADE IN THE USA!"* He died and in less than a month
everything started saying "Made in China"
He supported America and became the richest man in the USA, all the kids
want is
FATTER PAYCHECKS, Screw the USA!

I will not buy from Walmart.

My $0.02 worth on this.
73
Adrian KF7DYU

>
> I would pay a premium to things made in the US, just so the specs are what
> they need to be. This " it does not matter where it is made" mindset is
> giving *US the Walmart mindset at the expense of American jobs.* Do I
> mind where it is made. Heck yes.
>
> My 2 cents.
>
> 73,
> Robert
> KB6QXM
>
>
> ----- Reply message -----
> From: "AB2ZY" <akozak@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in
> the USA?
> Date: Mon, Dec 26, 2011 2:54 pm
> The country of origin is less important than the specifications and
> tolerances of the manufactured product and verifying same.
>
> Manufacturers in China run the gamut from GMP & ISO9001 certified
> facilties to counterfeiters and outright criminal adulterators.
>
> If you are going to source parts from China and quality is important to
> you, you have to commit resources to regularly auditing your offshore
> suppliers and ensuring that the product is what you and your customers
> expect.
>
> In a number of industries, it is almost impossible to source components or

> chemicals that are entirely China free. You have to know what you are
> buying or run the risk of assuming a potentially fatal liability.
>
> As an example, most people know about the Chinese dog food that was sold
> through Wal-Mart that poisoned a number of pets. One of the ingredients was
> adulterated with melamaine, a plastic that "fools" the standard tests for
> protein content. Melamine is apparently cheaper than sourcing an ingredient
> that meets minimal quality standards. American and European infant food
> manufacturers usually avoid Chinese ingredients because the risks involved,
> but they are also able to charge a premium for their products to cover the
> additional cost. Not widely reported in the US was the number of Chinese
> children who were poisoned in exatly the same fashion by Chinese
> manufactured infant formula.
>
> Al
>
> AB2ZY
>
> --- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> >
>
> > Steve
>
> > I was being facetious. We are in a recession. Do I need to explain that
> also?
>
> >
>
> > Best Regards
>
> > Dan Schaaf
>
> > K3ZXL www.k3zxl.com
>
> > NOBSKA www.nobska.net
>
> > Cape Cod Instruments www.gnm-inc.com
>
> >
>
> > ???Problems cannot be solved by the same level of thinking that created
> them.?? - Albert Einstein
>
> >
>
> >
>
> >
>
> > ----- Original Message -----
>

> > From: Stephen Bennett
>
> > To: dan-schaaf@...
>
> > Sent: Monday, December 26, 2011 12:04 PM
>
>
> > Subject: Re: [ham-antennas] are there any PL-259 connectors still made
> in the USA?
>
> >
>
>
> >
>
>
> > Hi Dan,
>
> > Are there some that you know of (that can't be afforded)
>
> >
>
>
> >
>
>
> > Steve
>
> >
>
>
> >
>
>
> >
>
>
> > ----------
>
> > From: Dan Schaaf <dan-schaaf@...>
>
> > To: ham-antennas@yahoogroups.com
>
> > Sent: Monday, December 26, 2011 9:43 AM
>
>
> > Subject: Re: [ham-antennas] are there any PL-259 connectors still made
> in the USA?
>
> >
>
>
> >
>
>
> >
>
>
> > There may be some made here but you can't afford them
>

> >
>
> > Best Regards
>
> > Dan Schaaf
>
> > K3ZXL www.k3zxl.com
>
> > NOBSKA www.nobska.net
>
> > Cape Cod Instruments www.gnm-inc.com
>
> > Tel: 941-766-0706
>
> > Fax: 941-766-0707
>
> >
>
> > "Problems cannot be solved by the same level of thinking that created
> them." - Albert Einstein
>
> >
>
> > ----- Original Message -----
>
> > From: Richard Schmuke
>
> > To: ham-antennas@yahoogroups.com
>
> > Sent: Monday, December 26, 2011 10:39 AM
>
> > Subject: RE: [ham-antennas] are there any PL-259 connectors still made
> in the USA?
>
> >
>
> > I am not sure about the PL-259 but I have two Stihl chain saws and the
> one
>
> > made by Stuttgart Germany is much better quality than the one made in
>
> > America. I made the mistake of buying the American one first.
>
> >
>
> > So do they make PL-259's over there, we don't make much over here
> anymore?
>
> >
>

> > Rich , Kd0zz
>
> >
>
> > Best would be "made in germany" hi hi
>
> >
>
> > Dg9bfc
>
> > Sigi
>
> >
>
> > > -----Urspr??ngliche Nachricht-----
>
> > > Von: ham-antennas@yahoogroups.com <mailto:
> ham-antennas%40yahoogroups.com>
>
> > [mailto:ham-antennas@yahoogroups.com <mailto:
> ham-antennas%40yahoogroups.com>
>
> >] Im
>
> > > Auftrag von kj6ddf
>
> > > Gesendet: Samstag, 24. Dezember 2011 08:10
>
> > > An: ham-antennas@yahoogroups.com <mailto:
> ham-antennas%40yahoogroups.com>
>
> > > Betreff: [ham-antennas] are there any PL-259 connectors still made in
> the
>
> > > USA?
>
> > >
>
> > >
>
> > >
>
> > > I wonder if anyone knows of anyone who still makes connectors-
> PL-259's in
>
> > > the USA?
>
> > > Or perhaps Japan?
>
> > >

>
> > > And as I understand it, even Amphenols connector are now made in
> China, as
>
> > > I understand it, it has something to do with EPA regulation, or I
> suppose
>
> > > what that means, EPA Made manufacturing so expensive, that they could
> not
>
> > > compete any more?
>
> > >
>
> > > I asked my Coax supplier recently who uses genuine US made times
> microwave
>
> > > but the PL-259 connectors are made in Taiwan
>
> > >
>
> > > Which is (I think) better than China, but that's an overall
> generational,
>
> > > it may be something made in China might be made very well? But I
> generally
>
> > > feel much better when I read made in Taiwan.
>
> > > Still I'd like to find out if there is someone who makes them in the
> US or
>
> > > Japan
>
> > > Steve
>
> > >
>
> > >
>
> > >
>
> > >
>
> > >
>
> > >
>
> > [Non-text portions of this message have been removed]
>

> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21648. Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 11:01:56 UTC
From: Richard
Topic: 21645 Message: 21648

On Tue, 27 Dec 2011 02:13:08 -0500
Adrian Flynn <ADRIANJAMESFLYNN@...> wrote:

> Have you forgotten the standard Walmart add BEFORE Mr. Sam Walmart died?
> Almost every ad said *"MADE IN THE USA!"* He died and in less than a month
> everything started saying "Made in China"
> He supported America and became the richest man in the USA, all the kids
> want is
> FATTER PAYCHECKS, Screw the USA!
>
> I will not buy from Walmart.
>
> My $0.02 worth on this.
> 73
> Adrian KF7DYU
>

<snip>
You need to be very careful on what is written on packaging, many manufacturers have changed from "made in ***" to "country of origin ***".
The latter means the country the item was packed in, so if the manufacture if a product is in China
and its packaged by a manufacturer in the country you live in, they can put "country of origin < your
country>" and you buy it thinking you are buying a home grown product.
Not all products from China are crap, some are of equal and better quality, there are however companies
that fraudulently produce goods that are marked in compliance with national standards and often carry
brand and trade markings of reputable companies.
BTW its not a problem that just the USA now suffers from, its global.

--
Happy Christmas and a Happy New Year

Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W

###

21649. RE: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 14:57:25 UTC
From: jo barden
Topic: 21645 Message: 21649

The mantra that is promulgated this side of the pond is there are some things that it is not cost effective to make in our economy and we should only make/manufacture "value added" products and leave the lower input cost (wages) to the new economies. This is all well and good if you are in well paid employment and can afford to buy into this modern disposable economy.

I am unemployed (back condition) so finances dictate that I go for lowest cost that will do the job also I am by nature a "tight" person in that I want to maintain and repair if all possible. This fits in with the green agenda and also there is a prejudiced opinion in the general public that the "Murdoch" press promotes that if you are on benefits you are a lazy scrounger and you should not afford anything other than "value" products. Sorry off on moan.

I would say that whilst buying the locally made 259's may be difficult Tentec make some pretty good equipment. You also have MFJ, LDG and SGC so you have more local content than we do.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: carneytf@...
Date: Mon, 26 Dec 2011 23:10:22 -0800
Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

*I've been reading this thread off-and-on since it began. I've resisted

adding anything because my ideas are not nearly as useful as I usually

think they are. I have, though, thought about the following.*

*

*

*1. This Yahoo group is available Worldwide to anyone with access to the

Internet, perhaps even in China. It would be interesting to know how many

subscribers are not United States citizens. I suppose a rough idea could be

had from counting non-K or non-W call signs.*

*

*

2. I've also wondered how many American hams proudly display QSL cards from around the World; some winning DX awards and acalades for reaching out and touching the World with their signals on all modes. Flip though any QST or CQ and you'll find pages of listings each month.

*

*

3. I found the following quote from the ARRL site very interesting

With worldwide wireless communications, hams are also ambassadors for their country. Radio provides the opportunity for communications with hams in nearly every other foreign country. There are over 600,000 radio amateurs in the United States and over 2,000,000 worldwide.

I had no idea that American amateurs make us less than a third of the total number around the World!

*

*

*4. Given all this, isn't just a little unbecoming for amateurs in the United States to make public in a World-wide forum their concerns about "foreign" manufacturing and "cheap" labor abroad? *

*

*

***Beats me! But I'm going to think more about this and, in the meantime, to forebear to display my understandable patriotism and national pride with fellow hams around the globe.

*

*

*

Best to all,

*

*

Todd

KF7SIS

*

*

*

*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/

Medford, Oregon / (541)

951-5702

"Done is better than perfect." --Anonymous

*

*

*

*

On Mon, Dec 26, 2011 at 8:43 PM, Robert Costa, KB6QXM <kb6qxm@...m>wrote:

> **

>

>

> Al,

>

> Granted specifications matter but so does country of origin. It is this

> type of thinking that is causing manufacturing plants to close in the US

> and why jobs are being outsourced to lower cost regions.

>

> I would pay a premium to things made in the US, just so the specs are what

> they need to be. This " it does not matter where it is made" mindset is

> giving US the Walmart mindset at the expense of American jobs. Do I mind

> where it is made. Heck yes.

>
> My 2 cents.
>
> 73,
> Robert
> KB6QXM
>
> ----- Reply message -----
> From: "AB2ZY" <akozak@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in
> the USA?
> Date: Mon, Dec 26, 2011 2:54 pm
> The country of origin is less important than the specifications and
> tolerances of the manufactured product and verifying same.
>
> Manufacturers in China run the gamut from GMP & ISO9001 certified
> facilties to counterfeiters and outright criminal adulterators.
>
> If you are going to source parts from China and quality is important to
> you, you have to commit resources to regularly auditing your offshore
> suppliers and ensuring that the product is what you and your customers
> expect.
>
> In a number of industries, it is almost impossible to source components or
> chemicals that are entirely China free. You have to know what you are
> buying or run the risk of assuming a potentially fatal liability.
>
> As an example, most people know about the Chinese dog food that was sold

> through Wal-Mart that poisoned a number of pets. One of the ingredients was
> adulterated with melamaine, a plastic that "fools" the standard tests for
> protein content. Melamine is apparently cheaper than sourcing an ingredient
> that meets minimal quality standards. American and European infant food
> manufacturers usually avoid Chinese ingredients because the risks involved,
> but they are also able to charge a premium for their products to cover the
> additional cost. Not widely reported in the US was the number of Chinese
> children who were poisoned in exatly the same fashion by Chinese
> manufactured infant formula.
>
> Al
>
> AB2ZY
>
>
>
>
>
>
[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21650. Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 16:19:21 UTC
From: Sam Elbe
Topic: 21645 Message: 21650

When I go to a Ham Fest I look for old PL-259 that have turned black, They are the silver plated connectors and them disassemble and clean them. Hamfest prices are almost free.

Sam KY8R

From: jo barden <jobarden422@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 27, 2011 7:57 AM
Subject: RE: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

The mantra that is promulgated this side of the pond is there are some things that it is not cost effective to make in our economy and we should only make/manufacture "value added" products and leave the lower input cost (wages) to the new economies. This is all well and good if you are in well paid employment and can afford to buy into this modern disposable economy.

I am unemployed (back condition) so finances dictate that I go for lowest cost that will do the job also I am by nature a "tight" person in that I want to maintain and repair if all possible. This fits in with the green agenda and also there is a prejudiced opinion in the general public that the "Murdoch" press promotes that if you are on benefits you are a lazy scrounger and you should not afford anything other than "value" products. Sorry off on moan.

I would say that whilst buying the locally made 259's may be difficult Tentec make some pretty good equipment. You also have MFJ, LDG and SGC so you have more local content than we do.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: carneytf@...
Date: Mon, 26 Dec 2011 23:10:22 -0800
Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

*I've been reading this thread off-and-on since it began. I've resisted

adding anything because my ideas are not nearly as useful as I usually

think they are. I have, though, thought about the following.*

*

*

1. This Yahoo group is available Worldwide to anyone with access to the Internet, perhaps even in China. It would be interesting to know how many subscribers are not United States citizens. I suppose a rough idea could be had from counting non-K or non-W call signs.

*

*

2. I've also wondered how many American hams proudly display QSL cards from around the World; some winning DX awards and acalades for reaching out and touching the World with their signals on all modes. Flip though any QST or CQ and you'll find pages of listings each month.

*

*

3. I found the following quote from the ARRL site very interesting
With worldwide wireless communications, hams are also ambassadors for their country. Radio provides the opportunity for communications with hams in nearly every other foreign country. There are over 600,000 radio amateurs in the United States and over 2,000,000 worldwide.
I had no idea that American amateurs make us less than a third of the total number around the World!

*

*

*4. Given all this, isn't just a little unbecoming for amateurs in the United States to make public in a World-wide forum their concerns about "foreign" manufacturing and "cheap" labor abroad? *

*

*

***Beats me! But I'm going to think more about this and, in the meantime, to forebear to display my understandable patriotism and national pride with fellow hams around the globe.

*

*

*

Best to all,

*

*

Todd

KF7SIS

*

*

*

*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/

Medford, Oregon / (541)

951-5702

"Done is better than perfect." --Anonymous

*

*

*

*

On Mon, Dec 26, 2011 at 8:43 PM, Robert Costa, KB6QXM <kb6qxm@...>wrote:

> **

>

>

> Al,

>

> Granted specifications matter but so does country of origin. It is this

> type of thinking that is causing manufacturing plants to close in the US

> and why jobs are being outsourced to lower cost regions.
>
> I would pay a premium to things made in the US, just so the specs are what
> they need to be. This " it does not matter where it is made" mindset is
> giving US the Walmart mindset at the expense of American jobs. Do I mind
> where it is made. Heck yes.
>
> My 2 cents.
>
> 73,
> Robert
> KB6QXM
>
> ----- Reply message -----
> From: "AB2ZY" <akozak@...>
> To: <ham-antennas@...m>
> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in
> the USA?
> Date: Mon, Dec 26, 2011 2:54 pm
> The country of origin is less important than the specifications and
> tolerances of the manufactured product and verifying same.
>
> Manufacturers in China run the gamut from GMP & ISO9001 certified
> facilties to counterfeiters and outright criminal adulterators.
>
> If you are going to source parts from China and quality is important to
> you, you have to commit resources to regularly auditing your offshore
> suppliers and ensuring that the product is what you and your customers
> expect.

>

> In a number of industries, it is almost impossible to source components or

> chemicals that are entirely China free. You have to know what you are

> buying or run the risk of assuming a potentially fatal liability.

>

> As an example, most people know about the Chinese dog food that was sold

> through Wal-Mart that poisoned a number of pets. One of the ingredients was

> adulterated with melamaine, a plastic that "fools" the standard tests for

> protein content. Melamine is apparently cheaper than sourcing an ingredient

> that meets minimal quality standards. American and European infant food

> manufacturers usually avoid Chinese ingredients because the risks involved,

> but they are also able to charge a premium for their products to cover the

> additional cost. Not widely reported in the US was the number of Chinese

> children who were poisoned in exatly the same fashion by Chinese

> manufactured infant formula.

>

> Al

>

> AB2ZY

>

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

21651. RE: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 17:02:29 UTC
From: KA9EGW
Topic: 21645 Message: 21651

There's quality stuff made in the usa. There's cheap crap made here too.

The same 2 statements can be applied to anywhere else. Blanket assertions anything from some particular place is good or bad, categorically, are evidence of contempt-prior-to-investigation.

I run open wire feeders and fuhgeddaboudit.

[hitting 'ignore' function now].

21652. Re: [ham-antennas] Re: are there any PL-259 conn ectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 17:06:50 UTC
From: Robert Costa, KB6QXM
Topic: 21645 Message: 21652

Thank you for your comments. I see where you lean politically with your comments. Again thank you for sharing!

73,
Robert
KB6QXM

----- Reply message -----
From: "jo barden" <jobarden422@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?
Date: Tue, Dec 27, 2011 6:57 am

The mantra that is promulgated this side of the pond is there are some things that it is not cost effective to make in our economy and we should only make/manufacture "value added" products and leave the lower input cost (wages) to the new economies. This is all well and good if you are in well paid employment and can afford to buy into this modern disposable economy.

I am unemployed (back condition) so finances dictate that I go for lowest cost that will do the job also I am by nature a "tight" person in that I want to maintain and repair if all possible. This fits in with the green agenda and also there is a prejudiced opinion in the general public that the "Murdoch" press promotes that if you are on benefits you are a lazy scrounger and you should not afford anything other than "value" products. Sorry off on moan.

I would say that whilst buying the locally made 259's may be difficult Tentec make some pretty good equipment. You also have MFJ, LDG and SGC so you have more local content than we do.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: carneytf@...
Date: Mon, 26 Dec 2011 23:10:22 -0800
Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

*I've been reading this thread off-and-on since it began. I've resisted

adding anything because my ideas are not nearly as useful as I usually

think they are. I have, though, thought about the following.*

*

*

1. This Yahoo group is available Worldwide to anyone with access to the Internet, perhaps even in China. It would be interesting to know how many subscribers are not United States citizens. I suppose a rough idea could be had from counting non-K or non-W call signs.

*

*

2. I've also wondered how many American hams proudly display QSL cards from around the World; some winning DX awards and acalades for reaching out and touching the World with their signals on all modes. Flip though any QST or CQ and you'll find pages of listings each month.

*

*

3. I found the following quote from the ARRL site very interesting
With worldwide wireless communications, hams are also ambassadors for their country. Radio provides the opportunity for communications with hams in nearly every other foreign country. There are over 600,000 radio amateurs in the United States and over 2,000,000 worldwide.
I had no idea that American amateurs make us less than a third of the total number around the World!

*

*

*4. Given all this, isn't just a little unbecoming for amateurs in the United States to make public in a World-wide forum their concerns about "foreign" manufacturing and "cheap" labor abroad? *

*

*

***Beats me! But I'm going to think more about this and, in the meantime, to forebear to display my understandable patriotism and national pride with

fellow hams around the globe.

*

*

*

Best to all,

*

*

Todd

KF7SIS

*

*

*

*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/

Medford, Oregon / (541)

951-5702

"Done is better than perfect." --Anonymous

*

*

*

*

On Mon, Dec 26, 2011 at 8:43 PM, Robert Costa, KB6QXM <kb6qxm@...>wrote:

> **

>

>

> Al,

>

> Granted specifications matter but so does country of origin. It is this

> type of thinking that is causing manufacturing plants to close in the US
> and why jobs are being outsourced to lower cost regions.
>
> I would pay a premium to things made in the US, just so the specs are what
> they need to be. This " it does not matter where it is made" mindset is
> giving US the Walmart mindset at the expense of American jobs. Do I mind
> where it is made. Heck yes.
>
> My 2 cents.
>
> 73,
> Robert
> KB6QXM
>
> ----- Reply message -----
> From: "AB2ZY" <akozak@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in
> the USA?
> Date: Mon, Dec 26, 2011 2:54 pm
> The country of origin is less important than the specifications and
> tolerances of the manufactured product and verifying same.
>
> Manufacturers in China run the gamut from GMP & ISO9001 certified
> facilties to counterfeiters and outright criminal adulterators.
>
> If you are going to source parts from China and quality is important to
> you, you have to commit resources to regularly auditing your offshore
> suppliers and ensuring that the product is what you and your customers

> expect.
>
> In a number of industries, it is almost impossible to source components or
> chemicals that are entirely China free. You have to know what you are
> buying or run the risk of assuming a potentially fatal liability.
>
> As an example, most people know about the Chinese dog food that was sold
> through Wal-Mart that poisoned a number of pets. One of the ingredients was
> adulterated with melamaine, a plastic that "fools" the standard tests for
> protein content. Melamine is apparently cheaper than sourcing an ingredient
> that meets minimal quality standards. American and European infant food
> manufacturers usually avoid Chinese ingredients because the risks involved,
> but they are also able to charge a premium for their products to cover the
> additional cost. Not widely reported in the US was the number of Chinese
> children who were poisoned in exatly the same fashion by Chinese
> manufactured infant formula.
>
> Al
>
> AB2ZY
>
>
>
>
>
>
[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

21653. Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 17:22:49 UTC
From: kb7gl
Topic: 21645 Message: 21653

MODs, can this topic be put to rest? I think we all 'get it'.

73, Vic KB7GL

--- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:
>
> Thank you for your comments. I see where you lean politically with your comments. Again thank you for sharing!
>
> 73,
> Robert
> KB6QXM
>
>
> ----- Reply message -----
> From: "jo barden" <jobarden422@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?
> Date: Tue, Dec 27, 2011 6:57 am
>
>
>
> The mantra that is promulgated this side of the pond is there are some things that it is not cost effective to make in our economy and we should only make/manufacture "value added" products and leave the lower input cost (wages) to the new economies. This is all well and good if you are in well paid employment and can afford to buy into this modern disposable economy.
>
> I am unemployed (back condition) so finances dictate that I go for lowest cost that will do the job also I am by nature a "tight" person in that I want to maintain and repair if all possible. This fits in with the green agenda and also there is a prejudiced opinion in the general public that the "Murdoch" press promotes that if you are on benefits you are a lazy scrounger and you should not afford anything other than "value" products. Sorry off on moan.
>
> I would say that whilst buying the locally made 259's may be difficult Tentec make some pretty good equipment. You also have MFJ, LDG and SGC so you have more local content than we do.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: carneytf@...

> Date: Mon, 26 Dec 2011 23:10:22 -0800
> Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> *I've been reading this thread off-and-on since it began. I've resisted
>
> adding anything because my ideas are not nearly as useful as I usually
>
> think they are. I have, though, thought about the following.*
>
> *
>
> *
>
> *1. This Yahoo group is available Worldwide to anyone with access to the
>
> Internet, perhaps even in China. It would be interesting to know how many
>
> subscribers are not United States citizens. I suppose a rough idea could be
>
> had from counting non-K or non-W call signs.*
>
> *
>

> *
>
> *2. I've also wondered how many American hams proudly display QSL cards
>
> from around the World; some winning DX awards and acalades for reaching out
>
> and touching the World with their signals on all modes. Flip though any QST
>
> or CQ and you'll find pages of listings each month.*
>
> *
>
> *
>
> *3. I found the following quote from the ARRL site very interesting*
>
>
>
> With worldwide wireless communications, hams are also ambassadors for their
>
> country. Radio provides the opportunity for communications with hams in
>
> nearly every other foreign country. There are over 600,000 radio amateurs
>
> in the United States and over 2,000,000 worldwide.
>
>
>
> *I had no idea that American amateurs make us less than a third of the
>
> total number around the World!*
>
> *
>
> *
>
> *4. Given all this, isn't just a little unbecoming for amateurs in the
>
> United States to make public in a World-wide forum their concerns about
>
> "foreign" manufacturing and "cheap" labor abroad? *
>
> *
>
> *
>
> ***Beats me! But I'm going to think more about this and, in the meantime,
>
> to forebear to display my understandable patriotism and national pride with
>

> fellow hams around the globe.
>
> *
>
> *
>
> *
>
> *Best to all,*
>
> *
>
> *
>
> *Todd*
>
> *KF7SIS*
>
> *
>
> *
>
> *
>
> *
>
> ---
>
> KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
>
> Medford, Oregon / (541)
>
> 951-5702
>
>
>
> "Done is better than perfect." --Anonymous
>
> *
>
> *
>
> *
>
> *
>
>
>
> On Mon, Dec 26, 2011 at 8:43 PM, Robert Costa, KB6QXM <kb6qxm@...>wrote:

>
>
>
> > **
>
> >
>
> >
>
> > Al,
>
> >
>
> > Granted specifications matter but so does country of origin. It is this
>
> > type of thinking that is causing manufacturing plants to close in the US
>
> > and why jobs are being outsourced to lower cost regions.
>
> >
>
> > I would pay a premium to things made in the US, just so the specs are what
>
> > they need to be. This " it does not matter where it is made" mindset is
>
> > giving US the Walmart mindset at the expense of American jobs. Do I mind
>
> > where it is made. Heck yes.
>
> >
>
> > My 2 cents.
>
> >
>
> > 73,
>
> > Robert
>
> > KB6QXM
>
> >
>
> > ----- Reply message -----
>
> > From: "AB2ZY" <akozak@...>
>
> > To: <ham-antennas@yahoogroups.com>
>
> > Subject: [ham-antennas] Re: are there any PL-259 connectors still made in

>
> > the USA?
>
> > Date: Mon, Dec 26, 2011 2:54 pm
>
> > The country of origin is less important than the specifications and
>
> > tolerances of the manufactured product and verifying same.
>
> >
>
> > Manufacturers in China run the gamut from GMP & ISO9001 certified
>
> > facilties to counterfeiters and outright criminal adulterators.
>
> >
>
> > If you are going to source parts from China and quality is important to
>
> > you, you have to commit resources to regularly auditing your offshore
>
> > suppliers and ensuring that the product is what you and your customers
>
> > expect.
>
> >
>
> > In a number of industries, it is almost impossible to source components or
>
> > chemicals that are entirely China free. You have to know what you are
>
> > buying or run the risk of assuming a potentially fatal liability.
>
> >
>
> > As an example, most people know about the Chinese dog food that was sold
>
> > through Wal-Mart that poisoned a number of pets. One of the ingredients was
>
> > adulterated with melamaine, a plastic that "fools" the standard tests for
>
> > protein content. Melamine is apparently cheaper than sourcing an ingredient
>
> > that meets minimal quality standards. American and European infant food
>
> > manufacturers usually avoid Chinese ingredients because the risks involved,
>
> > but they are also able to charge a premium for their products to cover the
>
> > additional cost. Not widely reported in the US was the number of Chinese

>
> > children who were poisoned in exatly the same fashion by Chinese
>
> > manufactured infant formula.
>
> >
>
> > Al
>
> >
>
> > AB2ZY
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>

> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21654. Re: [ham-antennas] G800SA Yaesu rotor control unit

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 17:46:44 UTC
From: Ron Youvan
Topic: 21581 Message: 21654

Dave NB5B dward42586@... wrote:

> I have an 11 month old G800SA rotor. After 6 months in operation, it suddenly stopped working. When
> I put my ear on the cabinet of the controller, I could hear a faint hum. No light, no action when
> operating the rocker switch. I have another, identical 5 year old rotor. I used it to make sure the
> problem was not the rotor itself , or the cable.

> Sent to to Yaesu in CA said they couldn't get the part to fix it. When they sent it back it has a
> very loud hum when plugged in, even with switch in off position.

Dave, I sent your story to "Yaesu" (as a complaint) and I received this reply, this is the best
that I could get from them. This is their reply:

<<
Ron,

I would like to give you more information, but I am not allowed to speak on customers repair
details. The unit was not under warranty and there is much more involved than what was told to you
and the website. The customer was given the best service possible and if the unit was under warranty, we would have taken care of it had it fallen under our warranty terms. If the unit was
within the 1 year warranty and it was not repaired, then that would mean that the unit had damages
that were not covered by our warranty. I cannot go into details, but I will hope that you can
understand what I am saying by that and understand that we do our best to try and help the customers
at all times when possible.

Thank you for your support of Yaesu radio.

Regards,
Scott Dolliver
Customer Service Manager
Standard Horizon
Yaesu Amateur Radio
>>
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21655. Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 18:35:15 UTC
From: pchapman920
Topic: 21526 Message: 21655

I buy from max-gain. Silver plated, teflon core. $2.35 with RG8X reducer. Never had a problem. They solder nicely and do not suffer core melt-down. Price and quality matter. I do not care where he gets them from.

--- In ham-antennas@yahoogroups.com, "wa5pse" <k9qb@...> wrote:
>
> I don't know where Amphenol makes theirs, but, I found half a dozen of them, still in the wrappers, for real cheap, at a recent hamfest...
>
> If you can find, the real, genuine, in the wrapper, Amphenol as surplus, go for it....
>
> And YES, YES, YES, there can be just a great big, huge, whopping difference in the quality of the PL259...
>
> Definitely, go with good ones and save yourself some aggravation!
>
> Mike, WA5PSE
>
> --- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@> wrote:
> >
> > I wonder if anyone knows of anyone who still makes connectors- PL-259's in the USA?
> > Or perhaps Japan?
> >
> > And as I understand it, even Amphenols connector are now made in China, as I understand it, it has something to do with EPA regulation, or I suppose what that means, EPA Made manufacturing so expensive, that they could not compete any more?
> >
> >
> > I asked my Coax supplier recently who uses genuine US made times microwave but the PL-259 connectors are made in Taiwan
> >
> > Which is (I think) better than China, but that's an overall generational, it may be something made in China might be made very well? But I generally feel much better when I read made in Taiwan.
> > Still I'd like to find out if there is someone who makes them in the US or Japan
> > Steve
> >
>

21656. Re: [ham-antennas] Re: v beam antenna

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-27 21:47:35 UTC
From: Dave
Topic: 21476 Message: 21656

Jeff, it is about 3:1 at the feed, but since I have a balanced open line feed, I lose very little in the line. I do match it at the rig with my tuner. Dave, WA6TXU.

Sent from my awesome iPhone 4S

On Dec 26, 2011, at 2:49 PM, "fly_ul" <fly_ul@...> wrote:

> What swr did you have on 10 - 20 meters
>
> Jeff WO4R
>
> -- In ham-antennas@yahoogroups.com, Dave <wa6txu@...> wrote:
>>
>> Love my v beam. At 30 feet at center. Legs are 133 ft long up at 40 ft attached to trees. Angle at v is 45 degrees great local and DX. 2db gain on 80 and up to 8db on 10 mtrs. Fed by twinlead.
>>
>> Sent from my awesome iPhone 4S
>>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

21657. RE: [ham-antennas] coffee and donuts ... or a bucket of chicken!

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 00:24:18 UTC
From: goldtr8@charter.net
Topic: 21605 Message: 21657

FYI my 2 WL loop is made from galvanized guy wire. Not sure the gauge number though.

~73
Don
KD8NNU

On Mon, Dec 26, 2011 at 4:24 AM, kj6ddf wrote:

I asked the question about the galvanized wire 20/22 ga, and as it happens, I'm also disabled, but I didn't want to start a war! Talking over ideas with a experience amateur who does a lot of experimenting building loop antennas, he mentioned that he had build an antenna once using galvanized steel fence wire, and I wondered if anyone else ever heard of it. But it wasn't a cost cutting measure, I think it was an experiment.
And even if one is very short with their budget due to disability, I think the suggestion about getting help from a local amateur club is an excellent one!
I've had chronic pain for 22 years, was born with a back condition (insert my own ridiculously long probably very boring story) and the best thing I've learned with God's help is to look at what I have, not at what I don't have...

And as it just so happens, I did recently visit a local Amateur club, I was concerned if I'd be able to attend, because I tend to prefer my recliner and two heating pads, but I went and was very glad I went. And as it also just happens, they talked about putting up antennas for others, I didn't ask, it was my visit, but after a few came over to say Hi, and after followed up with emails, and I asked if it were possible to give me some help putting up the loop antenna I ordered. I ordered a "store bought" ready made antenna, because with my disability, a.) wire antennas are inexpensive b.) I'd probably make some stupid mistake c.) I'd end up in a lot of pain trying to build it myself, and that's more costly in doctor visits (copays etc.) than getting it done by the techs at a company.
But I hadn't thought of getting help from the club. I was going to stumble around in the yard, try to shoot a line over branches and probably realize after I threw my neck and back out how over my head I was (Often I'm able to easily "think" a project through, without realizing I can't do what I used to be able to!)
But after going to the club, and I got a mental picture of younger healthier club members who have experience putting up antennas, and most of all, (don't forget the coffee and donuts/ bucket of chicken/ Bar-B-que) the close friendships that will be built in the process!

That's what so wonderful about amateur radio and clubs!

So I would imagine that if someone didn't have the funds necessary, a club would be willing to help.
Sitting there at the meeting, I didn't say anything, I was there to observe. I hear them say over and over, "How can we help out in the community?" "how can we help others?"

they must have said it a dozen times? they set up a committee to look into it! I am sure other clubs also want to help others!

Forgive me for being long winded, just wanted to say, I didn't know how much help was out there, and I often sit in my chair afraid to go anywhere because of the pain I might get into, (I'm in enough pain already sitting on the heating pads) but when I did go the local amateur club, I was so happy. And I hope others who are disabled also find the same help I did. For those not able to get out, I believe local clubs would respond favorably to a request for help, by phone call or email.

anyway,just my 2 cents worth

Steve

<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

21658. Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 03:00:59 UTC
From: VE3FMC
Topic: 21658 Message: 21658

OK here is a simple question and we'll see who gets the answer correct first.

This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.

My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.

What changed the points of resonance on those two dipoles?

Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)

73 Rick VE3FMC

21659. Re: [ham-antennas] Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 03:11:04 UTC
From: Richard Solomon
Topic: 21658 Message: 21659

It snowed !! Nice wet sticky snow.

73, Dick, W1KSZ

On Tue, Dec 27, 2011 at 8:00 PM, VE3FMC <ve3fmc@...> wrote:

> **
>
>
> OK here is a simple question and we'll see who gets the answer correct
> first.
>
> This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate
> at 3.650.
>
> My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
>
> What changed the points of resonance on those two dipoles?
>
> Ok let's see who gets it right the first time around. Of course the person
> who posts the correct answer will be the winner. No one can copy that
> answer :)
>
> 73 Rick VE3FMC
>
>
>

[Non-text portions of this message have been removed]

21660. Re: [ham-antennas] Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 03:14:44 UTC
From: ko1h
Topic: 21658 Message: 21660

snow?
----- Original Message -----
From: VE3FMC
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 3:00 AM
Subject: [ham-antennas] Can You Answer This Question?

OK here is a simple question and we'll see who gets the answer correct first.

This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.

My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.

What changed the points of resonance on those two dipoles?

Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)

73 Rick VE3FMC

[Non-text portions of this message have been removed]

21661. Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 03:18:38 UTC
From: VE3FMC
Topic: 21658 Message: 21661

BINGO, didn't take you long to figure that one out Dick! I see you reside in AZ but I would be willing to bet you got your start in ham radio in a part of the country where it snowed :)

73, Rick VE3FMC
--- In ham-antennas@yahoogroups.com, Richard Solomon <dickw1ksz@...> wrote:
>
> It snowed !! Nice wet sticky snow.
>
> 73, Dick, W1KSZ
>
> On Tue, Dec 27, 2011 at 8:00 PM, VE3FMC <ve3fmc@...> wrote:
>
> > **
> >
> >
> > OK here is a simple question and we'll see who gets the answer correct
> > first.
> >
> > This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate
> > at 3.650.
> >
> > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> >
> > What changed the points of resonance on those two dipoles?
> >
> > Ok let's see who gets it right the first time around. Of course the person
> > who posts the correct answer will be the winner. No one can copy that
> > answer :)
> >
> > 73 Rick VE3FMC
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

21662. Re: [ham-antennas] Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 03:27:31 UTC
From: Don Sanders
Topic: 21658 Message: 21662

Sounds like you had a good snow fall and the wet snow has changed the
antenna height above ground lowering the height and frequency.

Dr Don HC4/W4BWS

On Tue, Dec 27, 2011 at 10:00 PM, VE3FMC <ve3fmc@...> wrote:

> **
>
>
> OK here is a simple question and we'll see who gets the answer correct
> first.
>
> This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate
> at 3.650.
>
> My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
>
> What changed the points of resonance on those two dipoles?
>
> Ok let's see who gets it right the first time around. Of course the person
> who posts the correct answer will be the winner. No one can copy that
> answer :)
>
> 73 Rick VE3FMC
>
>
>

[Non-text portions of this message have been removed]

21663. Re: [ham-antennas] Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 03:36:54 UTC
From: Ken
Topic: 21658 Message: 21663

On Dec 27, 2011, at 10:00 PM, VE3FMC wrote:

> OK here is a simple question and we'll see who gets the answer correct first.
>
> This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.
>
> My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
>
> What changed the points of resonance on those two dipoles?

Did the resonance change, or the SWR?

(It's a trick question, a few days ago there was a very long discussion on another list about the differences between low SWR, matching, tuning, resonance, etc. It even got into whether we were discussing the "resonance" of the antenna, or the antenna, feedline, tuner, etc.)

73,
Ken WA8JXM

21664. Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 04:38:51 UTC
From: Jo Yip
Topic: 21658 Message: 21664

the weather, i.e. the humidity.

[Non-text portions of this message have been removed]

21665. Re: [ham-antennas] Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 05:12:56 UTC
From: Dave Cole
Topic: 21658 Message: 21665

Hi,
Did the Eldridge from the Philadelphia Experiment re-appear at the same
time, (or close to the same time), that the SWR changed?
Dave
NK7Z

On Wed, 2011-12-28 at 03:00 +0000, VE3FMC wrote:

> OK here is a simple question and we'll see who gets the answer correct first.
>
> This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.
>
> My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
>
> What changed the points of resonance on those two dipoles?
>
> Ok let's see who gets it right the first time around. Of course the person who posts the
correct answer will be the winner. No one can copy that answer :)
>
> 73 Rick VE3FMC
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

21666. Re: [ham-antennas] Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 06:00:15 UTC
From: Larry Tooley
Topic: 21658 Message: 21666

All I can think of is adding wire to each end, or maybe an inductor at each end. Or if you used the old parallel telephone drop wire split apart for the antenna elements, you pulled another foot or two apart to add antenna length. All I can think of.
----- Original Message -----
From: Dave Cole
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 27, 2011 11:12 PM
Subject: Re: [ham-antennas] Can You Answer This Question?

Hi,
Did the Eldridge from the Philadelphia Experiment re-appear at the same time, (or close to the same time), that the SWR changed?
Dave
NK7Z

On Wed, 2011-12-28 at 03:00 +0000, VE3FMC wrote:

> OK here is a simple question and we'll see who gets the answer correct first.
>
> This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.
>
> My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
>
> What changed the points of resonance on those two dipoles?
>
> Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)
>
> 73 Rick VE3FMC
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com

> Yahoo! Groups Links
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21667. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 07:11:07 UTC
From: Adrian Flynn
Topic: 21658 Message: 21667

OH Rick!
You are way off!!!

It snows more in N AZ (Navajo County, for temperature and 10 to 20 miles east of Holbrook, AZ for snow and cold!! More than 28" so far this year) than it has in Michigan (9") this year and been FAR colder last year -45 (Minus 45) while Michigan at the same time was about 25 at night at the same time!! Last year was about the same differance for total years snow fall!
I moved from that part in March this year but was here in Lansing, MI, at the time it happened and talked to friends still there last year and this year.

You want cold and snow live in N AZ, nice weather live in Michigan!!

73
Adrian KF7DYU
On Tue, Dec 27, 2011 at 10:18 PM, VE3FMC <ve3fmc@...> wrote:

> **
>
>
>
> BINGO, didn't take you long to figure that one out Dick! I see you reside
> in AZ but I would be willing to bet you got your start in ham radio in a
> part of the country where it snowed :)
>
> 73, Rick VE3FMC
>
> --- In ham-antennas@yahoogroups.com, Richard Solomon <dickw1ksz@...>
> wrote:
> >
> > It snowed !! Nice wet sticky snow.
> >
> > 73, Dick, W1KSZ
> >
> > On Tue, Dec 27, 2011 at 8:00 PM, VE3FMC <ve3fmc@...> wrote:
> >
> > > **
> > >
> > >
> > > OK here is a simple question and we'll see who gets the answer correct
> > > first.
> > >
> > > This morning my 80 Meter dipole was resonate at 3.755. Now it is
> resonate

> > > at 3.650.
> > >
> > > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> > >
> > > What changed the points of resonance on those two dipoles?
> > >
> > > Ok let's see who gets it right the first time around. Of course the
> person
> > > who posts the correct answer will be the winner. No one can copy that
> > > answer :)
> > >
> > > 73 Rick VE3FMC
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

[Non-text portions of this message have been removed]

21668. Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 09:35:38 UTC
From: Stephen Bennett
Topic: 21645 Message: 21668

At Andros we make and sell PL259 connectors and reducers for RG59 coax. We also make the 2 piece N connector that solders on like a PL259. We also make many different styles of F connectors.
We do not sell to the general public. We sell only to distributors and other manufacturers. We do have a $500 minimum order.
If you …or your vendor..would like to place an order or just call to talk about them please call me at 585-663-5700.

Russell Steenhoff
Andros Manufacturing Corp.
30 Hojack Park, Rochester, NY 14612
Phone: 585-663-5700 Fax: 585-663-1212
email: russell@...
web: www.androsmfg.com

There is only one "on Topic" message that has been on this tread, all the others are on an entirely different topic, "something to do with trade wars and the quality of things made in every place etc.

I just had a connector fail that wasn't made in the US, so I wanted to find out if anyone knew of any company that still made them in the US.

Only one person, Jeff, replied to the question asked and stayed on subject.

I followed up with the link Jeff gave me, and this is what they told me, I'm going to forward it to the lady who makes up my coax, she makes a lot of coax, so she should be in a position to buy $500.00 worth of connectors.

I've noticed many threads both in this group and in other amateur groups that get off topic and get folks acting in a manner that others begin to complain.

It's so sad.

Anyway, this was a very simple question, it's been anwsered and I followed it up with what I found out. So I'm through with the topic.

Anwyay fellow amateurs, lets have a good time and get along ok?

73

Steve

From: kb7gl <vic.owen@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 27, 2011 11:22 AM

Subject: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

MODs, can this topic be put to rest? I think we all 'get it'.

73, Vic KB7GL

--- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:
>
> Thank you for your comments. I see where you lean politically with your comments. Again thank you for sharing!
>
> 73,
> Robert
> KB6QXM
>
>
> ----- Reply message -----
> From: "jo barden" <jobarden422@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?
> Date: Tue, Dec 27, 2011 6:57 am
>
>
>
> The mantra that is promulgated this side of the pond is there are some things that it is not cost effective to make in our economy and we should only make/manufacture "value added" products and leave the lower input cost (wages) to the new economies. This is all well and good if you are in well paid employment and can afford to buy into this modern disposable economy.
>
> I am unemployed (back condition) so finances dictate that I go for lowest cost that will do the job also I am by nature a "tight" person in that I want to maintain and repair if all possible. This fits in with the green agenda and also there is a prejudiced opinion in the general public that the "Murdoch" press promotes that if you are on benefits you are a lazy scrounger and you should not afford anything other than "value" products. Sorry off on moan.
>
> I would say that whilst buying the locally made 259's may be difficult Tentec make some pretty good equipment. You also have MFJ, LDG and SGC so you have more local content than we do.
>
> Jon
>
> G6UWK
>
> To: ham-antennas@yahoogroups.com
> From: carneytf@...
> Date: Mon, 26 Dec 2011 23:10:22 -0800
> Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?
>
>

>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> *I've been reading this thread off-and-on since it began. I've resisted
>
> adding anything because my ideas are not nearly as useful as I usually
>
> think they are. I have, though, thought about the following.*
>
> *
>
> *
>
> *1. This Yahoo group is available Worldwide to anyone with access to the
>
> Internet, perhaps even in China. It would be interesting to know how many
>
> subscribers are not United States citizens. I suppose a rough idea could be
>
> had from counting non-K or non-W call signs.*
>
> *
>
> *
>
> *2. I've also wondered how many American hams proudly display QSL cards
>

> from around the World; some winning DX awards and acalades for reaching out
>
> and touching the World with their signals on all modes. Flip though any QST
>
> or CQ and you'll find pages of listings each month.*
>
> *
>
> *
>
> *3. I found the following quote from the ARRL site very interesting*
>
>
>
> With worldwide wireless communications, hams are also ambassadors for their
>
> country. Radio provides the opportunity for communications with hams in
>
> nearly every other foreign country. There are over 600,000 radio amateurs
>
> in the United States and over 2,000,000 worldwide.
>
>
>
> *I had no idea that American amateurs make us less than a third of the
>
> total number around the World!*
>
> *
>
> *
>
> *4. Given all this, isn't just a little unbecoming for amateurs in the
>
> United States to make public in a World-wide forum their concerns about
>
> "foreign" manufacturing and "cheap" labor abroad? *
>
> *
>
> *
>
> ***Beats me! But I'm going to think more about this and, in the meantime,
>
> to forebear to display my understandable patriotism and national pride with
>
> fellow hams around the globe.
>
> *
>

> *
>
> *
>
> *Best to all,*
>
> *
>
> *
>
> *Todd*
>
> *KF7SIS*
>
> *
>
> *
>
> *
>
> *
>
> ---
>
> KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/
>
> Medford, Oregon / (541)
>
> 951-5702
>
>
>
> "Done is better than perfect." --Anonymous
>
> *
>
> *
>
> *
>
> *
>
>
>
> On Mon, Dec 26, 2011 at 8:43 PM, Robert Costa, KB6QXM <kb6qxm@...>wrote:
>
>
>
> > **

>
> >
>
> >
>
> > Al,
>
> >
>
> > Granted specifications matter but so does country of origin. It is this
>
> > type of thinking that is causing manufacturing plants to close in the US
>
> > and why jobs are being outsourced to lower cost regions.
>
> >
>
> > I would pay a premium to things made in the US, just so the specs are what
>
> > they need to be. This " it does not matter where it is made" mindset is
>
> > giving US the Walmart mindset at the expense of American jobs. Do I mind
>
> > where it is made. Heck yes.
>
> >
>
> > My 2 cents.
>
> >
>
> > 73,
>
> > Robert
>
> > KB6QXM
>
> >
>
> > ----- Reply message -----
>
> > From: "AB2ZY" <akozak@...>
>
> > To: <ham-antennas@yahoogroups.com>
>
> > Subject: [ham-antennas] Re: are there any PL-259 connectors still made in
>
> > the USA?
>
> > Date: Mon, Dec 26, 2011 2:54 pm

> > The country of origin is less important than the specifications and
> > tolerances of the manufactured product and verifying same.
> >
> > Manufacturers in China run the gamut from GMP & ISO9001 certified
> > facilties to counterfeiters and outright criminal adulterators.
> >
> > If you are going to source parts from China and quality is important to
> > you, you have to commit resources to regularly auditing your offshore
> > suppliers and ensuring that the product is what you and your customers
> > expect.
> >
> > In a number of industries, it is almost impossible to source components or
> > chemicals that are entirely China free. You have to know what you are
> > buying or run the risk of assuming a potentially fatal liability.
> >
> > As an example, most people know about the Chinese dog food that was sold
> > through Wal-Mart that poisoned a number of pets. One of the ingredients was
> > adulterated with melamaine, a plastic that "fools" the standard tests for
> > protein content. Melamine is apparently cheaper than sourcing an ingredient
> > that meets minimal quality standards. American and European infant food
> > manufacturers usually avoid Chinese ingredients because the risks involved,
> > but they are also able to charge a premium for their products to cover the
> > additional cost. Not widely reported in the US was the number of Chinese
> > children who were poisoned in exatly the same fashion by Chinese
> > manufactured infant formula.

>
> >
>
> > Al
>
> >
>
> > AB2ZY
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

21669. Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 09:58:03 UTC
From: Stephen Bennett
Topic: 21645 Message: 21669

Thanks, Sam! that was helpful Info!
I think there is one in January not too far from me:)
Steve

From: Sam Elbe <sam.elbe@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Tuesday, December 27, 2011 10:19 AM
Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

When I go to a Ham Fest I look for old PL-259 that have turned black, They are the silver plated connectors and them disassemble and clean them. Hamfest prices are almost free.

Sam KY8R

From: jo barden <jobarden422@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 27, 2011 7:57 AM
Subject: RE: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

The mantra that is promulgated this side of the pond is there are some things that it is not cost effective to make in our economy and we should only make/manufacture "value added" products and leave the lower input cost (wages) to the new economies. This is all well and good if you are in well paid employment and can afford to buy into this modern disposable economy.

I am unemployed (back condition) so finances dictate that I go for lowest cost that will do the job also I am by nature a "tight" person in that I want to maintain and repair if all possible. This fits in with the green agenda and also there is a prejudiced opinion in the general public that the "Murdoch" press promotes that if you are on benefits you are a lazy scrounger and you should not afford anything other than "value" products. Sorry off on moan.

I would say that whilst buying the locally made 259's may be difficult Tentec make some pretty good equipment. You also have MFJ, LDG and SGC so you have more local content than we do.

Jon

G6UWK

To: ham-antennas@yahoogroups.com
From: carneytf@...
Date: Mon, 26 Dec 2011 23:10:22 -0800
Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

I've been reading this thread off-and-on since it began. I've resisted adding anything because my ideas are not nearly as useful as I usually think they are. I have, though, thought about the following.

*

*

1. This Yahoo group is available Worldwide to anyone with access to the Internet, perhaps even in China. It would be interesting to know how many subscribers are not United States citizens. I suppose a rough idea could be had from counting non-K or non-W call signs.

*

*

2. I've also wondered how many American hams proudly display QSL cards from around the World; some winning DX awards and acalades for reaching out and touching the World with their signals on all modes. Flip though any QST or CQ and you'll find pages of listings each month.

*

*

3. I found the following quote from the ARRL site very interesting
With worldwide wireless communications, hams are also ambassadors for their country. Radio provides the opportunity for communications with hams in nearly every other foreign country. There are over 600,000 radio amateurs in the United States and over 2,000,000 worldwide.
I had no idea that American amateurs make us less than a third of the total number around the World!

*

*

*4. Given all this, isn't just a little unbecoming for amateurs in the United States to make public in a World-wide forum their concerns about "foreign" manufacturing and "cheap" labor abroad? *

*

*

***Beats me! But I'm going to think more about this and, in the meantime,

to forebear to display my understandable patriotism and national pride with

fellow hams around the globe.

*

*

*

Best to all,

*

*

Todd

KF7SIS

*

*

*

*

KF7SIS<http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20%20%20%20%5E>/

Medford, Oregon / (541)

951-5702

"Done is better than perfect." --Anonymous

*

*

*

*

On Mon, Dec 26, 2011 at 8:43 PM, Robert Costa, KB6QXM <kb6qxm@...>wrote:

> **

>

>

> Al,

>

> Granted specifications matter but so does country of origin. It is this

> type of thinking that is causing manufacturing plants to close in the US

> and why jobs are being outsourced to lower cost regions.

>

> I would pay a premium to things made in the US, just so the specs are what

> they need to be. This " it does not matter where it is made" mindset is

> giving US the Walmart mindset at the expense of American jobs. Do I mind

> where it is made. Heck yes.

>

> My 2 cents.

>

> 73,

> Robert

> KB6QXM

>

> ----- Reply message -----

> From: "AB2ZY" <akozak@...>

> To: <ham-antennas@yahoogroups.com>

> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in

> the USA?

> Date: Mon, Dec 26, 2011 2:54 pm

> The country of origin is less important than the specifications and

> tolerances of the manufactured product and verifying same.

>

> Manufacturers in China run the gamut from GMP & ISO9001 certified

> facilties to counterfeiters and outright criminal adulterators.

>

> If you are going to source parts from China and quality is important to

> you, you have to commit resources to regularly auditing your offshore

> suppliers and ensuring that the product is what you and your customers

> expect.

>

> In a number of industries, it is almost impossible to source components or

> chemicals that are entirely China free. You have to know what you are

> buying or run the risk of assuming a potentially fatal liability.

>

> As an example, most people know about the Chinese dog food that was sold

> through Wal-Mart that poisoned a number of pets. One of the ingredients was

> adulterated with melamaine, a plastic that "fools" the standard tests for

> protein content. Melamine is apparently cheaper than sourcing an ingredient

> that meets minimal quality standards. American and European infant food

> manufacturers usually avoid Chinese ingredients because the risks involved,

> but they are also able to charge a premium for their products to cover the

> additional cost. Not widely reported in the US was the number of Chinese

> children who were poisoned in exatly the same fashion by Chinese

> manufactured infant formula.

>

> Al

>

> AB2ZY

>

>

>

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21670. Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 11:10:49 UTC
From: kd8bbk
Topic: 21658 Message: 21670

I'm geussing the weather. Either Ice on the dipole or very wet conditions. HI HI. Tony

--- In ham-antennas@yahoogroups.com, "VE3FMC" <ve3fmc@...> wrote:
>
> OK here is a simple question and we'll see who gets the answer correct first.
>
> This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.
>
> My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
>
> What changed the points of resonance on those two dipoles?
>
> Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)
>
> 73 Rick VE3FMC
>

21671. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 11:30:14 UTC
From: Stephen Bennett
Topic: 21658 Message: 21671

thought someone already guessed wet snow

From: kd8bbk <kd8bbk@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 5:10 AM
Subject: [ham-antennas] Re: Can You Answer This Question?

I'm geussing the weather. Either Ice on the dipole or very wet conditions. HI HI. Tony

--- In ham-antennas@yahoogroups.com, "VE3FMC" <ve3fmc@...> wrote:
>
> OK here is a simple question and we'll see who gets the answer correct first.
>
> This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.
>
> My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
>
> What changed the points of resonance on those two dipoles?
>
> Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)
>
> 73 Rick VE3FMC
>

[Non-text portions of this message have been removed]

21672. Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 12:54:16 UTC
From: VE3FMC
Topic: 21658 Message: 21672

Wet snow changed the SWR, happens all the time in this part of the country. I shook the dipoles and got most of that snow off and during the evening it got a lot colder and froze. Now it is windy so I think most of the snow is off the wires as things are just about back to normal.
Rick VE3FMC

--- In ham-antennas@yahoogroups.com, Stephen Bennett <kj6ddf@...> wrote:
>
> thought someone already guessed wet snow
>
>
> _____
> From: kd8bbk <kd8bbk@...>
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, December 28, 2011 5:10 AM
> Subject: [ham-antennas] Re: Can You Answer This Question?
>
>
> Â
> I'm geussing the weather. Either Ice on the dipole or very wet conditions. HI HI. Tony
>
> --- In ham-antennas@yahoogroups.com, "VE3FMC" <ve3fmc@> wrote:
> >
> > OK here is a simple question and we'll see who gets the answer correct first.
> >
> > This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.
> >
> > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> >
> > What changed the points of resonance on those two dipoles?
> >
> > Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)
> >
> > 73 Rick VE3FMC
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>

21673. G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 13:08:30 UTC
From: ko1hqrp
Topic: 21673 Message: 21673

Hi All Likely to be replacing my current Windom with a Doublet. Considering the following. G5rv a proven performer is 51ft on a side with the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the odd LL. Can I have some opinions on how this will play as a mulitband antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of interest for this antenna. Let me know what yall think.

de John ko1h

21674. G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 13:15:39 UTC
From: ko1hqrp
Topic: 21673 Message: 21674

Hi All Likely to be replacing my current Windom with a Doublet. Considering the following. G5rv a proven performer is 51ft on a side with the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the odd LL. Can I have some opinions on how this will play as a mulitband antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of interest for this antenna. Let me know what yall think.

de John ko1h

21675. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 13:25:16 UTC
From: Ron Youvan
Topic: 21658 Message: 21675

Rick VE3FMC wrote:

> Wet snow changed the SWR, happens all the time in this part of the country. I shook the dipoles and
> got most of that snow off and during the evening it got a lot colder and froze. Now it is windy so I
> think most of the snow is off the wires as things are just about back to normal.

I think this is a common misunderstanding. SWR is the result of the match between the antenna
impedance and the feedline impedance, this isn't going to change greatly, not nearly as much as the
tuning will change with outside influence. An antenna on a different frequency is not an antenna at
the frequency you are operating on. If you are operating on 20 meters with a 40 meter dipole the
load will reflect the energy instead of radiate it, the 40 meter dipole will still be a 73 Ohm match
to the 75 Ohm coax. (at 40 meters)
I keep my 40 meter dipole very tight with a 1/2 concrete block (rope over a pulley at one end) to
minimize the physical movement of the antenna wire to keep the tuning as I set it. Tight between
two trees without the ability to change means wire breakage. (it doesn't snow in central Florida)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21676. Balun or RF choke on 10 meter Homebrew Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 13:25:40 UTC
From: Memwl
Topic: 21676 Message: 21676

I posted to one of the group members offline, and got no answer
I put together a 2 element 10 meter antenna, I will feed it direct, This was an old CB 3 element beam
I cut the boom to about 6'-6" to start just a dipole with a director/reflector.
I used PVC insulator on the elements.
I am new to antenna modeling software meaning just learning.
My question is should I use a RF choke 8"x 8 turns or a 1:1 Balun.
What would be the most effective.
Using Rg 213/u coax- 50'
left over from CB days.
I do not have the funds for an analyzer yet, I figure
if I can get a good swr, I will just go for it
I am putting it 35 feet high roof mounted tripod apex is 25'
10 foot mast.
KISS

[Non-text portions of this message have been removed]

21677. RE: [ham-antennas] Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 13:31:52 UTC
From: goldtr8@charter.net
Topic: 21658 Message: 21677

I am sure it is snow.

This is a big problem for me when mobile on my screwdriver, when a big snow pile is on the mount and a little salt mixes in as it changes my matching and I am always getting a changing SWR.

Happy New Year

~73
Don
KD8NNU

On Tue, Dec 27, 2011 at 10:00 PM, VE3FMC wrote:

OK here is a simple question and we'll see who gets the answer correct first.

This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.

My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.

What changed the points of resonance on those two dipoles?

Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)

73 Rick VE3FMC

<http://docs.yahoo.com/info/terms/>

[Non-text portions of this message have been removed]

21678. 10 meter 2 element quickie home brew beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 13:33:54 UTC
From: Memwl
Topic: 21678 Message: 21678

I put together a 2 element 10 meter antenna, This was an old CB 3 element beam
I cut the boom to about 6'-6" to start, just a dipole with a director/reflector.
I used PVC insulator on the elements.
I have no antenna modeling software (yet) I know there is some free software.
I have to learn to use it and I will but for now.
My question is should I use a RF choke 8"x 8 turns or a 1:1 Balun.
I have a couple in the tool box
What would be the most effective.
Using Rg 213/u coax- 50'
left over from CB days.
I do not have the funds for an analyzer yet, I figure
if I can get a good swr, I will just go for it
I am putting it 35 feet high roof mounted tripod apex is 25'
10 foot mast.
KISS

73
ke7sbe
Michael

21679. Re: [ham-antennas] G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 13:38:45 UTC
From: Ken
Topic: 21673 Message: 21679

On Dec 28, 2011, at 8:08 AM, ko1hqrp wrote:

> Hi All Likely to be replacing my current Windom with a Doublet. Considering the following. G5rv a proven performer is 51ft on a side with the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the odd LL. Can I have some opinions on how this will play as a mulitband antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of interest for this antenna. Let me know what yall think.

Well you asked what we "think", not for factual data ;-) IMO the G5RV is a bizarre antenna designed for the purpose of an easy coax match on multiple bands. It does that because the "feedline" is part of the antenna and the matching system.

A clean dipole (of any length), is a cleaner design and an efficient antenna when properly fed (open wire or ladder line to a good tuner for multiband use). Of course, under specific conditions, any one antenna may perform better than another antenna.

BTW, you use the term "doublet". I'm not sure what exactly a "doublet" is since the term is not defined in any of my ARRL Handbooks or Antenna Books and Bill Orr doesn't even use the term. Decades ago, I used to think it was a folded dipole but I have nothing to support that old assumption. I'm guessing that a "doublet" is just a fancy (and confusing) term for a plain old dipole.

73, Ken WA8JXM

21680. Re: [ham-antennas] Balun or RF choke on 10 meter Homebrew Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 13:40:21 UTC
From: Ron Youvan
Topic: 21676 Message: 21680

Memwl wrote:

> I posted to one of the group members offline, and got no answer
> I put together a 2 element 10 meter antenna, I will feed it direct, This was an old CB 3 element beam
> I cut the boom to about 6'-6" to start just a dipole with a director/reflector.
> I used PVC insulator on the elements.
> I am new to antenna modeling software meaning just learning.
> My question is should I use a RF choke 8"x 8 turns or a 1:1 Balun.
> What would be the most effective.
> Using RG 213/u coax- 50' left over from CB days. /*snip*/

The "poor man's choke" (coil) will minimally effect the match between the antenna and the line.
The driven element of a Yagi is a dipole, is it's impedance is about 73 Ohms (at the designed
frequency) and the "proximity" of the reflector lowers the it's impedance to near about 50 Ohms
The SWR will be low if the element is tuned to your operating frequency.
Frequently the length of the elements are adjustable to finalize tuning.
The line between the driven element and the choke coil should slightly spaced from the metal parts.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21681. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 13:46:42 UTC
From: Ken
Topic: 21658 Message: 21681

On Dec 28, 2011, at 8:25 AM, Ron Youvan wrote:

> I think this is a common misunderstanding. SWR is the result of the match between the antenna
> impedance and the feedline impedance,

Correct

> this isn't going to change greatly, not nearly as much as the
> tuning will change with outside influence. An antenna on a different frequency is not an antenna at
> the frequency you are operating on.

????

> If you are operating on 20 meters with a 40 meter dipole the
> load will reflect the energy instead of radiate it,

Incorrect. Yes, it will be reflected back and forth until it is radiated, just like an antenna on it's fundamental frequency. Unless you have high loss feedline. A 40m dipole (e.g. 67') is "two half waves in phase" on 20m, a very efficient radiator with a slight amount (1.8db) of broadside gain. Of course, it is a high impedance feed and should be fed with open wire or a matching system to minimize losses.

> the 40 meter dipole will still be a 73 Ohm match
> to the 75 Ohm coax. (at 40 meters)

The radiation resistance of a half wave dipole is only 73 ohms at certain heights above ground. It can vary from below 50 ohms to almost 100 ohms depending upon height above ground until it gets up high enough that the ground no longer effects it, at which point is is around 73 ohms.

Ken WA8JXM

21682. Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 14:11:56 UTC
From: DVC3565@aol.com
Topic: 21526 Message: 21682

Steve: Tnx for the follow up.
73,
Dave-KJ4PF

In a message dated 12/28/2011 4:58:08 A.M. Eastern Standard Time,
kj6ddf@... writes:

Thanks, Sam! that was helpful Info!
I think there is one in January not too far from me:)
Steve

_____
From: Sam Elbe <_sam.elbe@..._ (mailto:sam.elbe@...) >
To: "_ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com) "
<_ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com) >
Sent: Tuesday, December 27, 2011 10:19 AM
Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still made
in the USA?

When I go to a Ham Fest I look for old PL-259 that have turned black,
They are the silver plated connectors and them disassemble and clean them.
Hamfest prices are almost free.

Sam KY8R

[Non-text portions of this message have been removed]

21683. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 14:39:08 UTC
From: Ron Youvan
Topic: 21673 Message: 21683

Ken WA8JXM wrote:

> BTW, you use the term "doublet". I'm not sure what exactly a "doublet" is since the term is not
> defined in any of my ARRL Handbooks or Antenna Books and Bill Orr doesn't even use the term. Decades
> ago, I used to think it was a folded dipole but I have nothing to support that old assumption. I'm
> guessing that a "doublet" is just a fancy (and confusing) term for a plain old dipole.

A "doublet" is an OLD name for a center fed dipole.
Dipoles can be fed anywhere, "doublets" are only fed in the center.
"Dipole" means both poles of the "wave" (a cycle) are on the conductor at the same time.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21684. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 15:00:30 UTC
From: Ron Youvan
Topic: 21658 Message: 21684

Ken WA8JXM wrote:

/*snip*/
> > If you are operating on 20 meters with a 40 meter dipole the
> > load will reflect the energy instead of radiate it,

> Incorrect. Yes, it will be reflected back and forth until it is radiated, just like an antenna on
> it's fundamental frequency. Unless you have high loss feedline. A 40m dipole (e.g. 67') is "two half
> waves in phase" on 20m, a very efficient radiator with a slight amount (1.8db) of broadside gain. Of
> course, it is a high impedance feed and should be fed with open wire or a matching system to
> minimize losses.

"it will be reflected back and forth until it is radiated, just like an antenna on it's fundamental frequency"

I respectfully disagree. If it were all radiated eventually, there would be no need to resonate
an antenna at our operating frequency. Your 40 meter dipole would work just as well at 6 meters as
an antenna designed to operate on 6 meters, (all Yagi's would cover 160 to 6 meters) this is not so.
The source of RF (transmitter via any tuning equipment in use) is a lot closer to the impedance of
the transmission line than a 40 meter dipole fed with 20 meter energy, so it will only reflect some
of the energy. It will dissipate much of it.
If you feed a high power tube amplifier that is properly operating at 20 meters into a 20 meter,
antenna into a 40 meter dipole and it will arc at it's tuning capacitor and generate a great deal of
heat. If you feed a transistor amplifier (such as your transceiver's output amplifier) with the
"fold back" disabled you will *melt* the output transistors.
The transmitter will absorb much more reflected power (from the wrong antenna) than a 20 meters
signal feeding a 40 meter dipole. (the wrong antenna)
Some energy will leak out and be radiated, but not much, not enough for you to think everything
is fine.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21685. RE: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 15:01:37 UTC
From: Richard Schmuke
Topic: 21673 Message: 21685

The term "doublet" is often used in a center fed ladderline fed system. Just Google a "135ft doublet".

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ron Youvan
Sent: Wednesday, December 28, 2011 8:39 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Ken WA8JXM wrote:

> BTW, you use the term "doublet". I'm not sure what exactly a "doublet" is since the term is not
> defined in any of my ARRL Handbooks or Antenna Books and Bill Orr doesn't even use the term. Decades
> ago, I used to think it was a folded dipole but I have nothing to support that old assumption. I'm
> guessing that a "doublet" is just a fancy (and confusing) term for a plain old dipole.

A "doublet" is an OLD name for a center fed dipole.
Dipoles can be fed anywhere, "doublets" are only fed in the center.
"Dipole" means both poles of the "wave" (a cycle) are on the conductor at the same time.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

21686. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 15:09:32 UTC
From: Ron Youvan
Topic: 21673 Message: 21686

Richard KD0ZZ Schmuke wrote:

> The term "doublet" is often used in a center fed ladderline fed system. Just
> Google a "135ft doublet".

When the term doublet was common, coax was not yet in use by HAMs, many doublets were fed with
"zip cord" at the time.
Coax became available to hams, first, as surplus from WWII.
A "doublet" is a center fed dipole.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21687. Re: [ham-antennas] Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 15:24:29 UTC
From: doug pfaff
Topic: 21658 Message: 21687

I've seen frost do this in our Canadian climate its changes the capacitance

Doug ve5dcp
Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: VE3FMC
To: ham-antennas@yahoogroups.com
Sent: Tuesday, December 27, 2011 9:00 PM
Subject: [ham-antennas] Can You Answer This Question?

OK here is a simple question and we'll see who gets the answer correct first.

This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.

My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.

What changed the points of resonance on those two dipoles?

Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)

73 Rick VE3FMC

[Non-text portions of this message have been removed]

21688. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 15:45:20 UTC
From: Ken
Topic: 21673 Message: 21688

On Dec 28, 2011, at 9:39 AM, Ron Youvan wrote:

> A "doublet" is an OLD name for a center fed dipole.
> Dipoles can be fed anywhere, "doublets" are only fed in the center.
> "Dipole" means both poles of the "wave" (a cycle) are on the conductor at the same time.

It must be a VERY old term since my books go back 50 years and rarely use it and never define it ;-)

I guess an OCF is a dipole, but an end fed ("Zepp") doesn't qualify IMO. Likewise calling a center fed antenna a "Zepp" is an aberration!

I do cringe every time I hear an OCF used with ladder line called a "Windom", at least without a qualifier. '8GZ must be rolling in his grave :-(A true Windom is fed with a single wire.

Ken

21689. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 15:57:51 UTC
From: dean
Topic: 21658 Message: 21689

That’s why God invented Tuners. hi hi

73, WY6L

From: VE3FMC
Sent: Wednesday, December 28, 2011 4:54 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Can You Answer This Question?

Wet snow changed the SWR, happens all the time in this part of the country. I shook the dipoles and got most of that snow off and during the evening it got a lot colder and froze. Now it is windy so I think most of the snow is off the wires as things are just about back to normal.
Rick VE3FMC

--- In mailto:ham-antennas%40yahoogroups.com, Stephen Bennett <kj6ddf@...> wrote:
>
> thought someone already guessed wet snow
>
>
> _____
> From: kd8bbk <kd8bbk@...>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Wednesday, December 28, 2011 5:10 AM
> Subject: [ham-antennas] Re: Can You Answer This Question?
>
>
> Â
> I'm geussing the weather. Either Ice on the dipole or very wet conditions. HI HI. Tony
>
> --- In mailto:ham-antennas%40yahoogroups.com, "VE3FMC" <ve3fmc@> wrote:
> >
> > OK here is a simple question and we'll see who gets the answer correct first.
> >
> > This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.
> >
> > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> >
> > What changed the points of resonance on those two dipoles?
> >
> > Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)
> >
> > 73 Rick VE3FMC
> >
>

>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

21690. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 16:18:26 UTC
From: Ken
Topic: 21658 Message: 21690

A center fed 80m half wave fed with open wire is an excellent antenna for all bands, 80 through 6, assuming you have a proper antenna tuner or a transmitter that will match it.

Don't confuse antenna efficiency with directivity. They are not the same. An 80m center fed dipole fed with open wire on 20m will be more "efficient" than a 4 element Yagi. Yes, a Yagi will direct more energy in a specific direction, but will radiate less total power than a dipole. It just directs the power, but at a cost.

Of course a Yagi will not work across all bands because the parasitic elements need resonance of their own.

As to your statement that a 40m dipole on 20m will operate terribly, again I suggest you read the ARRL Handbook or the ARRL Antenna Book and look up "Two half waves in phase" antenna. It's a great antenna and the basis of beams like the Lazy-H, and the 8JK (designed by John Kraus, the author of "Antennas" probably the best professional classic antenna book).

As for as capacitors arcing over in a final amplifier, that is not an indication of lack of efficiency, but rather the transmitter not being designed to handle high impedance loads. The classic Johnson Viking II transmitter will load virtually any antenna without arcing or overload.

Oh, one other point: many antennas (perhaps most) operate perfectly fine without being "resonant". Most AM broadcast antennas are not "resonant" but rather are designed to operate above their point of resonance in order to better direct their power.

Do not confuse an apparent low SWR with resonance. They are not the same.

Ken WA8JXM

On Dec 28, 2011, at 10:00 AM, Ron Youvan wrote:

> "it will be reflected back and forth until it is radiated, just like an antenna on it's
> fundamental frequency"
>
> I respectfully disagree. If it were all radiated eventually, there would be no need to resonate
> an antenna at our operating frequency. Your 40 meter dipole would work just as well at 6 meters as
> an antenna designed to operate on 6 meters, (all Yagi's would cover 160 to 6 meters) this is not so.
> The source of RF (transmitter via any tuning equipment in use) is a lot closer to the impedance of
> the transmission line than a 40 meter dipole fed with 20 meter energy, so it will only reflect some
> of the energy. It will dissipate much of it.
> If you feed a high power tube amplifier that is properly operating at 20 meters into a 20

meter,
> antenna into a 40 meter dipole and it will arc at it's tuning capacitor and generate a great deal of
> heat. If you feed a transistor amplifier (such as your transceiver's output amplifier) with the
> "fold back" disabled you will *melt* the output transistors.
> The transmitter will absorb much more reflected power (from the wrong antenna) than a 20 meters
> signal feeding a 40 meter dipole. (the wrong antenna)
> Some energy will leak out and be radiated, but not much, not enough for you to think everything
> is fine.

21691. Re: [ham-antennas] 10 meter 2 element quickie home brew beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 17:14:12 UTC
From: dean
Topic: 21678 Message: 21691

Look at Ugly Balun http://www.hamuniverse.com/balun.html

remember that Google has a host of information.

73, WY6L

From: Memwl
Sent: Wednesday, December 28, 2011 5:33 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 10 meter 2 element quickie home brew beam

I put together a 2 element 10 meter antenna, This was an old CB 3 element beam
I cut the boom to about 6'-6" to start, just a dipole with a director/reflector.
I used PVC insulator on the elements.
I have no antenna modeling software (yet) I know there is some free software.
I have to learn to use it and I will but for now.
My question is should I use a RF choke 8"x 8 turns or a 1:1 Balun.
I have a couple in the tool box
What would be the most effective.
Using Rg 213/u coax- 50'
left over from CB days.
I do not have the funds for an analyzer yet, I figure
if I can get a good swr, I will just go for it
I am putting it 35 feet high roof mounted tripod apex is 25'
10 foot mast.
KISS

73
ke7sbe
Michael

[Non-text portions of this message have been removed]

21692. Re: [ham-antennas] Re: Can You Answer This Quest ion?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 17:40:02 UTC
From: Robert Costa, KB6QXM
Topic: 21692 Message: 21692

Ken,

There may be losses in the yagi design, but you must agree that a yagi is a much more well rounded antenna design over a dipole as not only can you point your radiated signal in the area you want, you can also decrease your beamwidth and increase your forward gain just by adding more directors. Front to back ratio and the ability to reject or attenuate signals off the backside of the beam is also another redeeming factor of a yagi over a dipole.

The ease of installation of a dipole over a yagi is to be noted, but a yagi are most ham's choice of antennas.

73,
Robert
KB6QXM

----- Reply message -----
From: "Ken" <wa8jxm@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: Can You Answer This Question?
Date: Wed, Dec 28, 2011 8:18 am
A center fed 80m half wave fed with open wire is an excellent antenna for all bands, 80 through 6, assuming you have a proper antenna tuner or a transmitter that will match it.

Don't confuse antenna efficiency with directivity. They are not the same. An 80m center fed dipole fed with open wire on 20m will be more "efficient" than a 4 element Yagi. Yes, a Yagi will direct more energy in a specific direction, but will radiate less total power than a dipole. It just directs the power, but at a cost.

Of course a Yagi will not work across all bands because the parasitic elements need resonance of their own.

As to your statement that a 40m dipole on 20m will operate terribly, again I suggest you read the ARRL Handbook or the ARRL Antenna Book and look up "Two half waves in phase" antenna. It's a great antenna and the basis of beams like the Lazy-H, and the 8JK (designed by John Kraus, the author of "Antennas" probably the best professional classic antenna book).

As for as capacitors arcing over in a final amplifier, that is not an indication of lack of efficiency, but rather the transmitter not being designed to handle high impedance loads. The classic Johnson Viking II transmitter will load virtually any antenna without arcing or overload.

Oh, one other point: many antennas (perhaps most) operate perfectly fine without being "resonant". Most AM broadcast antennas are not "resonant" but rather are designed to operate above their point of resonance in order to better direct their power.

Do not confuse an apparent low SWR with resonance. They are not the same.

Ken WA8JXM

On Dec 28, 2011, at 10:00 AM, Ron Youvan wrote:

> "it will be reflected back and forth until it is radiated, just like an antenna on it's

> fundamental frequency"

>

> I respectfully disagree. If it were all radiated eventually, there would be no need to resonate

> an antenna at our operating frequency. Your 40 meter dipole would work just as well at 6 meters as

> an antenna designed to operate on 6 meters, (all Yagi's would cover 160 to 6 meters) this is not so.

> The source of RF (transmitter via any tuning equipment in use) is a lot closer to the impedance of

> the transmission line than a 40 meter dipole fed with 20 meter energy, so it will only reflect some

> of the energy. It will dissipate much of it.

> If you feed a high power tube amplifier that is properly operating at 20 meters into a 20 meter,

> antenna into a 40 meter dipole and it will arc at it's tuning capacitor and generate a great deal of

> heat. If you feed a transistor amplifier (such as your transceiver's output amplifier) with the

> "fold back" disabled you will *melt* the output transistors.

> The transmitter will absorb much more reflected power (from the wrong antenna) than a 20 meters

> signal feeding a 40 meter dipole. (the wrong antenna)

> Some energy will leak out and be radiated, but not much, not enough for you to think everything

> is fine.

[Non-text portions of this message have been removed]

21693. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 17:53:28 UTC
From: Ken
Topic: 21692 Message: 21693

Robert,

of course the Yagi is an excellent antenna and ideal for many uses. I was just approaching the issue from the "efficiency" standpoint and the claim that a full wave center fed dipole was high loss and inefficient.

With a Yagi, you give up a bit of efficiency (especially on a multiband trapped Yagi) to gain directivity and rotate-ability. A long dipole is more "efficient" (in regard to losses) but probably will direct the radiated energy into unwanted directions. So a Yagi may be more useful even if it is not quite as efficient.

Sorry to cause any confusion.

Ken WA8JXM

On Dec 28, 2011, at 12:40 PM, Robert Costa, KB6QXM wrote:

> Ken,
>
> There may be losses in the yagi design, but you must agree that a yagi is a much more well rounded antenna design over a dipole as not only can you point your radiated signal in the area you want, you can also decrease your beamwidth and increase your forward gain just by adding more directors. Front to back ratio and the ability to reject or attenuate signals off the backside of the beam is also another redeeming factor of a yagi over a dipole.
>
> The ease of installation of a dipole over a yagi is to be noted, but a yagi are most ham's choice of antennas.
>
> 73,
> Robert
> KB6QXM

21694. AW: [ham-antennas] 10 meter 2 element quickie home brew beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 18:54:59 UTC
From: siegfried jackstien
Topic: 21678 Message: 21694

O if it was an eleven meter antenna why didnt you just jut the elements to resonate on 10m?!? ... why make a 2 el from a 3 el???
Dg9bfc
Sigi
Ps for the balun: both will work ... a normal balun and a choke

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Memwl
> Gesendet: Mittwoch, 28. Dezember 2011 13:34
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 10 meter 2 element quickie home brew beam
>
>
>
>
> I put together a 2 element 10 meter antenna, This was an old CB 3 element
> beam
> I cut the boom to about 6'-6" to start, just a dipole with a
> director/reflector.
> I used PVC insulator on the elements.
> I have no antenna modeling software (yet) I know there is some free
> software.
> I have to learn to use it and I will but for now.
> My question is should I use a RF choke 8"x 8 turns or a 1:1 Balun.
> I have a couple in the tool box
> What would be the most effective.
> Using Rg 213/u coax- 50'
> left over from CB days.
> I do not have the funds for an analyzer yet, I figure
> if I can get a good swr, I will just go for it
> I am putting it 35 feet high roof mounted tripod apex is 25'
> 10 foot mast.
> KISS
>
>
> 73
> ke7sbe
> Michael
>
>
>

21695. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 20:01:17 UTC
From: ko1h
Topic: 21673 Message: 21695

Ok Now that we have gone off on the tangent of what a doublet is. To me a doublet as stated by a few other is a Dipole fed at the center. Where just a dipole can be fed at any point.

So I will ask again. I don't mind totally biased opinoins. Ive got lots of those of my own. But any body try this? Or should I just put it up in the atenna range and see what works best here?

Thanks I love this list

de John ko1h
----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 10:09 AM
Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Richard KD0ZZ Schmuke wrote:

> The term "doublet" is often used in a center fed ladderline fed system. Just
> Google a "135ft doublet".

When the term doublet was common, coax was not yet in use by HAMs, many doublets were fed with
"zip cord" at the time.
Coax became available to hams, first, as surplus from WWII.
A "doublet" is a center fed dipole.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1901 / Virus Database: 2109/4708 - Release Date: 12/28/11

[Non-text portions of this message have been removed]

21696. RE: [ham-antennas] G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 20:33:20 UTC
From: Richard Schmuke
Topic: 21673 Message: 21696

John I have not tried a 30m 5/8wl I did do it 20m, work fine, but as the frequency went up towards 10m it became very directional off the ends. Not quite the answer you were looking for but just to let you know what happened to me.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ko1hqrp
Sent: Wednesday, December 28, 2011 7:09 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] G5RV vs 30m .64wave extened double zep.

Hi All Likely to be replacing my current Windom with a Doublet. Considering the following. G5rv a proven performer is 51ft on a side with the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the odd LL. Can I have some opinions on how this will play as a mulitband antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of interest for this antenna. Let me know what yall think.

de John ko1h

[Non-text portions of this message have been removed]

21697. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 20:41:46 UTC
From: Ron Youvan
Topic: 21673 Message: 21697

Ken wrote:

> > A "doublet" is an OLD name for a center fed dipole.
> > Dipoles can be fed anywhere, "doublets" are only fed in the center.
> > "Dipole" means both poles of the "wave" (a cycle) are on the conductor at the same time.

> It must be a VERY old term since my books go back 50 years and rarely use it and never define it ;-)

The first time I heard the term "doublet" was in about 1956, more than 50 years ago and it was
explained to me that it was an old term then.

> I guess an OCF is a dipole, but an end fed ("Zepp") doesn't qualify IMO. Likewise calling a center
> fed antenna a "Zepp" is an aberration!

A "Zepp" is a dipole fed with a stub. (of one kind or another) If it's* 1/2 wl then it's a dipole. If you center feed it, it isn't a "Zepp" it's dipole or a doublet.

> I do cringe every time I hear an OCF used with ladder line called a "Windom", at least without a
> qualifier. '8GZ must be rolling in his grave :-(A true Windom is fed with a single wire.

* the radiating part
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21698. Homebrew Hustler multi-band mobile adapter question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 21:34:27 UTC
From: wb2hmg
Topic: 21698 Message: 21698

Years ago I made a multi-band adapter for my Hustler mobile mast and resonators. I gave it away several years ago and now find that I need one.

The plans came from one of the ham mags that were out at the time - 73, QST or Ham Radio. The difference between that one and the currently available Hustler VP-1 is that homebrew one could accommodate 5 resonators, where the VP-1 allows a maximum of three resonators.

So, my question is, can anyone point me in the right direction to find the article or another alternative?

Thanks,

Frank
W2FAL

21699. Re: [ham-antennas] Balun or RF choke on 10 meter Homebrew Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 22:02:21 UTC
From: Memwl
Topic: 21676 Message: 21699

Yes that's the name we give it Poor mans balun,
(I did that on my Cushcraft Tribander,
which I sold and still regret it, had to relocate)
I was just wondering if I should used a premade 1:1 balun instead of rolling my own
maybe I should have just tried it instead of asking questions

I will just try both ways.

73
ke7sbe
Mike

>_____
> From: Ron Youvan <ka4inm@...>
>To: ham-antennas@yahoogroups.com
>Sent: Wednesday, December 28, 2011 6:40 AM
>Subject: Re: [ham-antennas] Balun or RF choke on 10 meter Homebrew Beam
>
>
>
>Memwl wrote:
>
>> I posted to one of the group members offline, and got no answer
>> I put together a 2 element 10 meter antenna, I will feed it direct, This was an old CB 3 element beam
>> I cut the boom to about 6'-6" to start just a dipole with a director/reflector.
>> I used PVC insulator on the elements.
>> I am new to antenna modeling software meaning just learning.
>> My question is should I use a RF choke 8"x 8 turns or a 1:1 Balun.
>> What would be the most effective.
>> Using RG 213/u coax- 50' left over from CB days. /*snip*/
>
>The "poor man's choke" (coil) will minimally effect the match between the antenna and the line.
>The driven element of a Yagi is a dipole, is it's impedance is about 73 Ohms (at the designed
>frequency) and the "proximity" of the reflector lowers the it's impedance to near about 50 Ohms
>The SWR will be low if the element is tuned to your operating frequency.
>Frequently the length of the elements are adjustable to finalize tuning.
>The line between the driven element and the choke coil should slightly spaced from the metal parts.
>--
>Ron KA4INM - Did you know ...
>... that no-one ever reads these things?
>

>
>
>

[Non-text portions of this message have been removed]

21700. Re: Homebrew Hustler multi-band mobile adapter question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 22:17:53 UTC
From: fred
Topic: 21698 Message: 21700

if you are an ARRL member you can search their archives online .

the 73 magazines are downloadable from the net , just do a search for them .
kd5pnt

--- In ham-antennas@yahoogroups.com, "wb2hmg" <fralom@...> wrote:
>
> Years ago I made a multi-band adapter for my Hustler mobile mast and resonators. I gave it away several years ago and now find that I need one.
>
> The plans came from one of the ham mags that were out at the time - 73, QST or Ham Radio. The difference between that one and the currently available Hustler VP-1 is that homebrew one could accommodate 5 resonators, where the VP-1 allows a maximum of three resonators.
>
> So, my question is, can anyone point me in the right direction to find the article or another alternative?
>
> Thanks,
>
> Frank
> W2FAL
>

21701. Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 22:21:10 UTC
From: fred
Topic: 21526 Message: 21701

I get them from mouser , 523-83-1SP-1050 is their part number . never had any problems with them .
kd5pnt

--- In ham-antennas@yahoogroups.com, "kj6ddf" <kj6ddf@...> wrote:
>
> I wonder if anyone knows of anyone who still makes connectors- PL-259's in the USA?
> Or perhaps Japan?
>
> And as I understand it, even Amphenols connector are now made in China, as I understand it, it has something to do with EPA regulation, or I suppose what that means, EPA Made manufacturing so expensive, that they could not compete any more?
>
>
> I asked my Coax supplier recently who uses genuine US made times microwave but the PL-259 connectors are made in Taiwan
>
> Which is (I think) better than China, but that's an overall generational, it may be something made in China might be made very well? But I generally feel much better when I read made in Taiwan.
> Still I'd like to find out if there is someone who makes them in the US or Japan
> Steve
>

21702. Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 22:25:05 UTC
From: fred
Topic: 21658 Message: 21702

snow , what do I win ? I was puzzled by that too a couple of years ago . it snowed in south texas .
kd5pnt

--- In ham-antennas@yahoogroups.com, "VE3FMC" <ve3fmc@...> wrote:
>
> OK here is a simple question and we'll see who gets the answer correct first.
>
> This morning my 80 Meter dipole was resonate at 3.755. Now it is resonate at 3.650.
>
> My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
>
> What changed the points of resonance on those two dipoles?
>
> Ok let's see who gets it right the first time around. Of course the person who posts the correct answer will be the winner. No one can copy that answer :)
>
> 73 Rick VE3FMC
>

21703. Re: [ham-antennas] Homebrew Hustler multi-band mobile adapter question

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 22:35:11 UTC
From: dean
Topic: 21698 Message: 21703

Here you go. http://chameleonantenna.com/

Of course I could put a dummy load on my roof and with enough power it should work also.

73, WY6L

From: wb2hmg
Sent: Wednesday, December 28, 2011 1:34 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Homebrew Hustler multi-band mobile adapter question

Years ago I made a multi-band adapter for my Hustler mobile mast and resonators. I gave it away several years ago and now find that I need one.

The plans came from one of the ham mags that were out at the time - 73, QST or Ham Radio. The difference between that one and the currently available Hustler VP-1 is that homebrew one could accommodate 5 resonators, where the VP-1 allows a maximum of three resonators.

So, my question is, can anyone point me in the right direction to find the article or another alternative?

Thanks,

Frank
W2FAL

[Non-text portions of this message have been removed]

21704. Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 22:46:14 UTC
From: Adrian Flynn
Topic: 21645 Message: 21704

Maybe when you follow up with your lady, you could find out if she does
order them if she would be willing to sell to other Amateur's that do their
own coax?
If so how we might get in touch to order?
73
Adrian Kf7dyu

On Wed, Dec 28, 2011 at 4:35 AM, Stephen Bennett <kj6ddf@...> wrote:

> **
>
>
> At Andros we make and sell PL259 connectors and reducers for RG59 coax. We
> also make the 2 piece N connector that solders on like a PL259. We also
> make many different styles of F connectors.
> We do not sell to the general public. We sell only to distributors and
> other manufacturers.
> We do have a $500 minimum order.
> If you ?or your vendor..would like to place an order or just call to talk
> about them please call me at 585-663-5700.
>
> Russell Steenhoff
> Andros Manufacturing Corp.
> 30 Hojack Park, Rochester, NY 14612
> Phone: 585-663-5700 Fax: 585-663-1212
> email: russell@...
> web: www.androsmfg.com
>
>
> There is only one "on Topic" message that has been on this tread, all the
> others are on an entirely different topic, "something to do with trade wars
> and the quality of things made in every place etc.
>
> I just had a connector fail that wasn't made in the US, so I wanted to
> find out if anyone knew of any company that still made them in the US.
>
> Only one person, Jeff, replied to the question asked and stayed on
> subject.
>
> I followed up with the link Jeff gave me, and this is what they told me,
> I'm going to forward it to the lady who makes up my coax, she makes a lot
> of coax, so she should be in a position to buy $500.00 worth of connectors.
>
> I've noticed many threads both in this group and in other amateur groups

> that get off topic and get folks acting in a manner that others begin to
> complain.
>
> It's so sad.
>
> Anyway, this was a very simple question, it's been anwsered and I followed
> it up with what I found out. So I'm through with the topic.
>
> Anwyay fellow amateurs, lets have a good time and get along ok?
>
> 73
>
> Steve
>
> _____
> From: kb7gl <vic.owen@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, December 27, 2011 11:22 AM
>
> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in
> the USA?
>
>
>
> MODs, can this topic be put to rest? I think we all 'get it'.
>
> 73, Vic KB7GL
>
> --- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...>
> wrote:
> >
> > Thank you for your comments. I see where you lean politically with your
> comments. Again thank you for sharing!
> >
> > 73,
> > Robert
> > KB6QXM
> >
> >
> > ----- Reply message -----
> > From: "jo barden" <jobarden422@...>
> > To: <ham-antennas@yahoogroups.com>
> > Subject: [ham-antennas] Re: are there any PL-259 connectors still made
> in the USA?
> > Date: Tue, Dec 27, 2011 6:57 am
> >
> >
> >
> > The mantra that is promulgated this side of the pond is there are some
> things that it is not cost effective to make in our economy and we should

> only make/manufacture "value added" products and leave the lower input cost
> (wages) to the new economies. This is all well and good if you are in well
> paid employment and can afford to buy into this modern disposable economy.
> >
> > I am unemployed (back condition) so finances dictate that I go for
> lowest cost that will do the job also I am by nature a "tight" person in
> that I want to maintain and repair if all possible. This fits in with the
> green agenda and also there is a prejudiced opinion in the general public
> that the "Murdoch" press promotes that if you are on benefits you are a
> lazy scrounger and you should not afford anything other than "value"
> products. Sorry off on moan.
> >
> > I would say that whilst buying the locally made 259's may be difficult
> Tentec make some pretty good equipment. You also have MFJ, LDG and SGC so
> you have more local content than we do.
> >
> > Jon
> >
> > G6UWK
> >
> > To: ham-antennas@...m
> > From: carneytf@...
> > Date: Mon, 26 Dec 2011 23:10:22 -0800
> > Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still
> made in the USA?
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >

> >
> >
> >
> > *I've been reading this thread off-and-on since it began. I've resisted
> >
> > adding anything because my ideas are not nearly as useful as I usually
> >
> > think they are. I have, though, thought about the following.*
> >
> > *
> >
> > *
> >
> > *1. This Yahoo group is available Worldwide to anyone with access to the
> >
> > Internet, perhaps even in China. It would be interesting to know how many
> >
> > subscribers are not United States citizens. I suppose a rough idea could
> be
> >
> > had from counting non-K or non-W call signs.*
> >
> > *
> >
> > *
> >
> > *2. I've also wondered how many American hams proudly display QSL cards
> >
> > from around the World; some winning DX awards and acalades for reaching
> out
> >
> > and touching the World with their signals on all modes. Flip though any
> QST
> >
> > or CQ and you'll find pages of listings each month.*
> >
> > *
> >
> > *
> >
> > *3. I found the following quote from the ARRL site very interesting*
> >
> >
> >
> > With worldwide wireless communications, hams are also ambassadors for
> their
> >
> > country. Radio provides the opportunity for communications with hams in
> >
> > nearly every other foreign country. There are over 600,000 radio amateurs

> >
> > in the United States and over 2,000,000 worldwide.
> >
> >
> >
> > *I had no idea that American amateurs make us less than a third of the
> >
> > total number around the World!*
> >
> > *
> >
> > *
> >
> > *4. Given all this, isn't just a little unbecoming for amateurs in the
> >
> > United States to make public in a World-wide forum their concerns about
> >
> > "foreign" manufacturing and "cheap" labor abroad? *
> >
> > *
> >
> > *
> >
> > ***Beats me! But I'm going to think more about this and, in the meantime,
> >
> > to forebear to display my understandable patriotism and national pride
> with
> >
> > fellow hams around the globe.
> >
> > *
> >
> > *
> >
> > *
> >
> > *Best to all,*
> >
> > *
> >
> > *
> >
> > *Todd*
> >
> > *KF7SIS*
> >
> > *
> >
> > *
> >

> > *
> >
> > *
> >
> > ----------
> >
> > KF7SIS<
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20
%20%20%20%5E
> >/
> >
> > Medford, Oregon / (541)
> >
> > 951-5702
> >
> >
> >
> > "Done is better than perfect." --Anonymous
> >
> > *
> >
> > *
> >
> > *
> >
> > *
> >
> >
> >
> > On Mon, Dec 26, 2011 at 8:43 PM, Robert Costa, KB6QXM <kb6qxm@...>wrote:
> >
> >
> >
> > > **
> >
> > > >
> >
> > > >
> >
> > > > Al,
> >
> > > >
> >
> > > > Granted specifications matter but so does country of origin. It is this
> >
> > > > type of thinking that is causing manufacturing plants to close in the
> US
> >
> > > > and why jobs are being outsourced to lower cost regions.
> >

> > >
> >
> > > I would pay a premium to things made in the US, just so the specs are
> what
> >
> > > they need to be. This " it does not matter where it is made" mindset is
> >
> > > giving US the Walmart mindset at the expense of American jobs. Do I
> mind
> >
> > > where it is made. Heck yes.
> >
> > >
> >
> > > My 2 cents.
> >
> > >
> >
> > > 73,
> >
> > > Robert
> >
> > > KB6QXM
> >
> > >
> >
> > > ----- Reply message -----
> >
> > > From: "AB2ZY" <akozak@...>
> >
> > > To: <ham-antennas@yahoogroups.com>
> >
> > > Subject: [ham-antennas] Re: are there any PL-259 connectors still made
> in
> >
> > > the USA?
> >
> > > Date: Mon, Dec 26, 2011 2:54 pm
> >
> > > The country of origin is less important than the specifications and
> >
> > > tolerances of the manufactured product and verifying same.
> >
> > >
> >
> > > Manufacturers in China run the gamut from GMP & ISO9001 certified
> >
> > > facilties to counterfeiters and outright criminal adulterators.
> >
> > >

> >
> > > If you are going to source parts from China and quality is important to
> >
> > > you, you have to commit resources to regularly auditing your offshore
> >
> > > suppliers and ensuring that the product is what you and your customers
> >
> > > expect.
> >
> > >
> >
> > > In a number of industries, it is almost impossible to source
> components or
> >
> > > chemicals that are entirely China free. You have to know what you are
> >
> > > buying or run the risk of assuming a potentially fatal liability.
> >
> > >
> >
> > > As an example, most people know about the Chinese dog food that was
> sold
> >
> > > through Wal-Mart that poisoned a number of pets. One of the
> ingredients was
> >
> > > adulterated with melamaine, a plastic that "fools" the standard tests
> for
> >
> > > protein content. Melamine is apparently cheaper than sourcing an
> ingredient
> >
> > > that meets minimal quality standards. American and European infant food
> >
> > > manufacturers usually avoid Chinese ingredients because the risks
> involved,
> >
> > > but they are also able to charge a premium for their products to cover
> the
> >
> > > additional cost. Not widely reported in the US was the number of
> Chinese
> >
> > > children who were poisoned in exatly the same fashion by Chinese
> >
> > > manufactured infant formula.
> >
> > >
> >
> > > Al

> >
> > >
> >
> > > AB2ZY
> >
> > >
> >
> > >
> >
> > >
> >
> > >
> >
> > >
> >
> > >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com

> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

21705. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 22:53:44 UTC
From: Richard Solomon
Topic: 21658 Message: 21705

Actually, it has to be wet, sticky snow that sticks to the antenna wire.
Just
having snow on the ground will not cause that severe a change.

73 es HNY, Dick, W1KSZ

On Wed, Dec 28, 2011 at 3:25 PM, fred <radiomanl@...t> wrote:

> **
>
>
> snow , what do I win ? I was puzzled by that too a couple of years ago .
> it snowed in south texas .
> kd5pnt
>
> --- In ham-antennas@yahoogroups.com, "VE3FMC" <ve3fmc@...> wrote:
> >
> > OK here is a simple question and we'll see who gets the answer correct
> first.
> >
> > This morning my 80 Meter dipole was resonate at 3.755. Now it is
> resonate at 3.650.
> >
> > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> >
> > What changed the points of resonance on those two dipoles?
> >
> > Ok let's see who gets it right the first time around. Of course the
> person who posts the correct answer will be the winner. No one can copy
> that answer :)
> >
> > 73 Rick VE3FMC
> >
>
>
>

[Non-text portions of this message have been removed]

21706. Re: Balun or RF choke on 10 meter Homebrew Beam

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-28 23:22:33 UTC
From: VE3FMC
Topic: 21676 Message: 21706

Either feed method will work just fine.

--- In ham-antennas@yahoogroups.com, Memwl <modkulla@...> wrote:
>
> I posted to one of the group members offline, and got no answer
> I put together a 2 element 10 meter antenna, I will feed it direct, This was an old CB 3 element beam
> I cut the boom to about 6'-6" to start just a dipole with a director/reflector.
> I used PVC insulator on the elements.
> I am new to antenna modeling software meaning just learning.
> My question is should I use a RF choke 8"x 8 turns or a 1:1 Balun.
> What would be the most effective.
> Using Rg 213/u coax- 50'
> left over from CB days.
> I do not have the funds for an analyzer yet, I figure
> if I can get a good swr, I will just go for it
> I am putting it 35 feet high roof mounted tripod apex is 25'
> 10 foot mast.
> KISS
>
> [Non-text portions of this message have been removed]
>

21707. RE: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 01:17:41 UTC
From: Jeff Clagg
Topic: 21526 Message: 21707

__.Hello all, Found this website/ store also. Jeff AE7NV_,_.___

YES

73, Jim W6LG

On Wed, Dec 28, 2011 at 3:27 PM, <jclagg@...> wrote:

The following enquiry has been sent to New Ham Store:

~~~~~~~~~~~~~~~~~~~~~~~~~~

Customer Name: Jeff

Customer Email: jclagg@...

Topic: General Information

Subject:

Enquiry: PL259 UHF Male Silver & Gold Plated With Teflon Insulator, Is this
or any of your connectors made in the usa? Thank you.

Call Letters: AE7NV

~~~~~~~~~~~~~~~~~~~~~~~~~~

This email was sent from http://www.newhamstore.com

Reply to
<mailto:radiomanl@...?subject=Re%3A%20are%20there%20any%20PL-259%20c
onnectors%20still%20made%20in%20the%20USA%3F> sender | Reply to
<mailto:ham-antennas@yahoogroups.com?subject=Re%3A%20are%20there%20any%20PL-
259%20connectors%20still%20made%20in%20the%20USA%3F> group | Reply
<http://groups.yahoo.com/group/ham-antennas/post;_ylc=X3oDMTJybTBkcXZuBF9TAz
k3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyMTcwMQRzZW
MDZnRyBHNsawNycGx5BHN0aW1lAzEzMjUxMTA4NzI-?act=reply&messageNum=21701> via
web post |
<http://groups.yahoo.com/group/ham-antennas/post;_ylc=X3oDMTJmM2syMHNuBF9TAz
k3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudH
BjBHN0aW1lAzEzMjUxMTA4NzI-> Start a New Topic

Messages in this topic
<http://groups.yahoo.com/group/ham-antennas/message/21526;_ylc=X3oDMTM3NGM1c
2MwBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMyM
TcwMQRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzEzMjUxMTA4NzIEdHBjSWQDMjE1MjY-> (25)

Recent Activity:

.
<http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnZWJ1M3VvBF9
TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN
2bWJycwRzdGltZQMxMzI1MTEwODcy?o=6> New Members 16

<http://groups.yahoo.com/group/ham-antennas;_ylc=X3oDMTJmaDRyZ2MxBF9TAzk3MzU
5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN
0aW1lAzEzMjUxMTA4NzI-> Visit Your Group

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

MARKETPLACE

Stay on top of your group activity without leaving the page you're on - Get
the Yahoo! Toolbar now.
<http://global.ard.yahoo.com/SIG=15on6ipqg/M=493064.14543979.14562481.132984
30/D=groups/S=1705063108:MKP1/Y=YAHOO/EXP=1325118072/L=40153c58-31a2-11e1-ae
9d-278b8f5ffa85/B=QMOmSUoGYmI-/J=1325110872751537/K=JVbycTcu3fXLUye2JatkTQ/A
=6060255/R=0/SIG=1194m4keh/*http:/us.toolbar.yahoo.com/?.cpdl=grpj>

<http://groups.yahoo.com/;_ylc=X3oDMTJlNTEwZGQ4BF9TAzk3MzU5NzE0BGdycElkAzEyM
zA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTMyNTExMDg3M
g--> Yahoo! Groups

Switch to:
<mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%2
0Format:%20Traditional> Text-Only,
<mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Dige
st> Daily Digest .
<mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe>
Unsubscribe . <http://docs.yahoo.com/info/terms/> Terms of Use

.

<http://geo.yahoo.com/serv?s=97359714/grpId=12304712/grpspId=1705063108/msgI
d=21701/stime=1325110872/nc1=4025373/nc2=5898817/nc3=5028928>

[Non-text portions of this message have been removed]

21708. Re: G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 02:23:21 UTC
From: kd8dvy@ymail.com
Topic: 21673 Message: 21708

I have tried an OCF and a Doublet and both of them worked very well on all bands. I used both on QRPSSB and made several good contacts. However I have a Doublet up now and it is about 65' above ground. With a quick look at the SWR graph, the points that are resonant are between ham bands like the G5RV. As for the OCF the SWR is more in line with ham bands.

The only thing I can say about the two antennas I do not like is that an OCF should be 30-35' above ground. And the doublet is that you have to 99% of your ladder line to the radio. They both take a balun 4:1; 6:1; or 9:1. (Your choice). However a 4:1 is readily available or easily homebrewed.

As for tuning there is not a lot to worry about. If you have a ATU that stores memories all you have to do is lightly tune, store and for get about it. With the manual tuner you would have to write down your tune points so that you will have a reference point to start your re-tune.

Also you may want to ask for someone to help you model the antennas so that you can an idea as to the way the antenna may act.

Harold/KD8DVY

--- In ham-antennas@yahoogroups.com, "ko1hqrp" <ko1h@...> wrote:
>
> Hi All Likely to be replacing my current Windom with a Doublet. Considering the following. G5rv a proven performer is 51ft on a side with the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the odd LL. Can I have some opinions on how this will play as a mulitband antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of interest for this antenna. Let me know what yall think.
>
> de John ko1h
>

21709. Re: [ham-antennas] G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 04:51:47 UTC
From: ko1h
Topic: 21673 Message: 21709

Rich NO that is exactly the type of answer I was looking for!!! Thank you !!
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 8:33 PM
Subject: RE: [ham-antennas] G5RV vs 30m .64wave extened double zep.

John I have not tried a 30m 5/8wl I did do it 20m, work fine, but as the frequency went up towards 10m it became very directional off the ends. Not quite the answer you were looking for but just to let you know what happened to me.

Rich , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ko1hqrp
Sent: Wednesday, December 28, 2011 7:09 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] G5RV vs 30m .64wave extened double zep.

Hi All Likely to be replacing my current Windom with a Doublet. Considering the following. G5rv a proven performer is 51ft on a side with the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the odd LL. Can I have some opinions on how this will play as a mulitband antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of interest for this antenna. Let me know what yall think.

de John ko1h

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21710. Re: [ham-antennas] Re: G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 07:03:21 UTC
From: Larry Tooley
Topic: 21673 Message: 21710

Which one do you like best?
Larry WA9G
----- Original Message -----
From: kd8dvy@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 8:23 PM
Subject: [ham-antennas] Re: G5RV vs 30m .64wave extened double zep.

I have tried an OCF and a Doublet and both of them worked very well on all bands. I used both on QRPSSB and made several good contacts. However I have a Doublet up now and it is about 65' above ground. With a quick look at the SWR graph, the points that are resonant are between ham bands like the G5RV. As for the OCF the SWR is more in line with ham bands.

The only thing I can say about the two antennas I do not like is that an OCF should be 30-35' above ground. And the doublet is that you have to 99% of your ladder line to the radio. They both take a balun 4:1; 6:1; or 9:1. (Your choice). However a 4:1 is readily available or easily homebrewed.

As for tuning there is not a lot to worry about. If you have a ATU that stores memories all you have to do is lightly tune, store and for get about it. With the manual tuner you would have to write down your tune points so that you will have a reference point to start your re-tune.

Also you may want to ask for someone to help you model the antennas so that you can an idea as to the way the antenna may act.

Harold/KD8DVY

--- In ham-antennas@yahoogroups.com, "ko1hqrp" <ko1h@...> wrote:
>
> Hi All Likely to be replacing my current Windom with a Doublet. Considering the following. G5rv a proven performer is 51ft on a side with the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the odd LL. Can I have some opinions on how this will play as a mulitband antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of interest for this antenna. Let me know what yall think.
>
> de John ko1h
>

[Non-text portions of this message have been removed]

21711. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 07:08:34 UTC
From: Larry Tooley
Topic: 21658 Message: 21711

Since the feedline radiates, I think it offers a low angle vertical signal good for DX.
----- Original Message -----
From: Ken
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 10:18 AM
Subject: Re: [ham-antennas] Re: Can You Answer This Question?

A center fed 80m half wave fed with open wire is an excellent antenna for all bands, 80 through 6, assuming you have a proper antenna tuner or a transmitter that will match it.

Don't confuse antenna efficiency with directivity. They are not the same. An 80m center fed dipole fed with open wire on 20m will be more "efficient" than a 4 element Yagi. Yes, a Yagi will direct more energy in a specific direction, but will radiate less total power than a dipole. It just directs the power, but at a cost.

Of course a Yagi will not work across all bands because the parasitic elements need resonance of their own.

As to your statement that a 40m dipole on 20m will operate terribly, again I suggest you read the ARRL Handbook or the ARRL Antenna Book and look up "Two half waves in phase" antenna. It's a great antenna and the basis of beams like the Lazy-H, and the 8JK (designed by John Kraus, the author of "Antennas" probably the best professional classic antenna book).

As for as capacitors arcing over in a final amplifier, that is not an indication of lack of efficiency, but rather the transmitter not being designed to handle high impedance loads. The classic Johnson Viking II transmitter will load virtually any antenna without arcing or overload.

Oh, one other point: many antennas (perhaps most) operate perfectly fine without being "resonant". Most AM broadcast antennas are not "resonant" but rather are designed to operate above their point of resonance in order to better direct their power.

Do not confuse an apparent low SWR with resonance. They are not the same.

Ken WA8JXM

On Dec 28, 2011, at 10:00 AM, Ron Youvan wrote:

> "it will be reflected back and forth until it is radiated, just like an antenna on it's
> fundamental frequency"
>

> I respectfully disagree. If it were all radiated eventually, there would be no need to resonate
> an antenna at our operating frequency. Your 40 meter dipole would work just as well at 6 meters as
> an antenna designed to operate on 6 meters, (all Yagi's would cover 160 to 6 meters) this is not so.
> The source of RF (transmitter via any tuning equipment in use) is a lot closer to the impedance of
> the transmission line than a 40 meter dipole fed with 20 meter energy, so it will only reflect some
> of the energy. It will dissipate much of it.
> If you feed a high power tube amplifier that is properly operating at 20 meters into a 20 meter,
> antenna into a 40 meter dipole and it will arc at it's tuning capacitor and generate a great deal of
> heat. If you feed a transistor amplifier (such as your transceiver's output amplifier) with the
> "fold back" disabled you will *melt* the output transistors.
> The transmitter will absorb much more reflected power (from the wrong antenna) than a 20 meters
> signal feeding a 40 meter dipole. (the wrong antenna)
> Some energy will leak out and be radiated, but not much, not enough for you to think everything
> is fine.

[Non-text portions of this message have been removed]

21712. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 07:09:50 UTC
From: Larry Tooley
Topic: 21658 Message: 21712

Amen! They used to be called the Tune and Load controls in the transmitter.
Now they chopped them out and sell them separately.
----- Original Message -----
From: dean
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 9:57 AM
Subject: Re: [ham-antennas] Re: Can You Answer This Question?

That’s why God invented Tuners. hi hi

73, WY6L

From: VE3FMC
Sent: Wednesday, December 28, 2011 4:54 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Can You Answer This Question?

Wet snow changed the SWR, happens all the time in this part of the
country. I shook the dipoles and got most of that snow off and during the
evening it got a lot colder and froze. Now it is windy so I think most of
the snow is off the wires as things are just about back to normal.
Rick VE3FMC

--- In mailto:ham-antennas%40yahoogroups.com, Stephen Bennett <kj6ddf@...>
wrote:
>
> thought someone already guessed wet snow
>
>
> _____
> From: kd8bbk <kd8bbk@...>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Wednesday, December 28, 2011 5:10 AM
> Subject: [ham-antennas] Re: Can You Answer This Question?
>
>
> Â
> I'm geussing the weather. Either Ice on the dipole or very wet
conditions. HI HI. Tony
>
> --- In mailto:ham-antennas%40yahoogroups.com, "VE3FMC" <ve3fmc@> wrote:
> >
> > OK here is a simple question and we'll see who gets the answer correct
first.
> >
> > This morning my 80 Meter dipole was resonate at 3.755. Now it is

resonate at 3.650.
> >
> > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> >
> > What changed the points of resonance on those two dipoles?
> >
> > Ok let's see who gets it right the first time around. Of course the
person who posts the correct answer will be the winner. No one can copy that
answer :)
> >
> > 73 Rick VE3FMC
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>

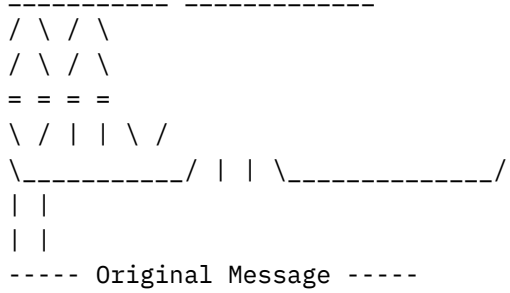
[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21713. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 07:26:22 UTC
From: Larry Tooley
Topic: 21673 Message: 21713

I always thought a doublet was a half-wave dipole that could be center fed with coax. Each side of the dipole had at least two wires in parallel to make it broad-banded.



----- Original Message -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 8:39 AM
Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Ken WA8JXM wrote:

> BTW, you use the term "doublet". I'm not sure what exactly a "doublet" is since the term is not
> defined in any of my ARRL Handbooks or Antenna Books and Bill Orr doesn't even use the term. Decades
> ago, I used to think it was a folded dipole but I have nothing to support that old assumption. I'm
> guessing that a "doublet" is just a fancy (and confusing) term for a plain old dipole.

A "doublet" is an OLD name for a center fed dipole.
Dipoles can be fed anywhere, "doublets" are only fed in the center.
"Dipole" means both poles of the "wave" (a cycle) are on the conductor at the same time.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

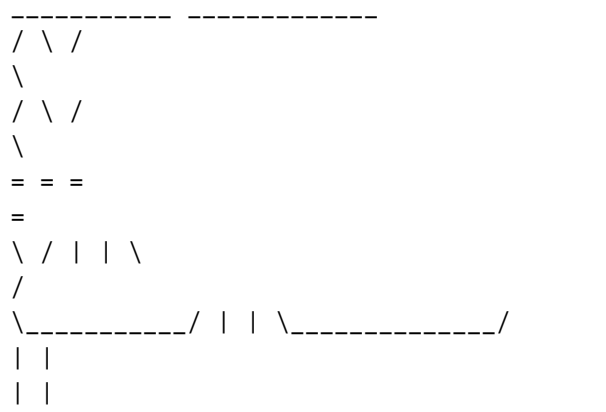
21714. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 07:39:54 UTC
From: Larry Tooley
Topic: 21673 Message: 21714

EEEEEeks! The drawing failed. My version of the doublet was supposed to show a regular center fed half wave dipole, only two parallel lines form each 1/4 wave side. This makes it broad-band. Is my thinking correct?

----- Original Message -----
From: Larry Tooley
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 1:26 AM
Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

I always thought a doublet was a half-wave dipole that could be center fed with coax. Each side of the dipole had at least two wires in parallel to make it broad-banded.



----- Original Mesage -----
From: Ron Youvan
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 8:39 AM
Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Ken WA8JXM wrote:

> BTW, you use the term "doublet". I'm not sure what exactly a "doublet" is since the term is not
> defined in any of my ARRL Handbooks or Antenna Books and Bill Orr doesn't even use the term. Decades
> ago, I used to think it was a folded dipole but I have nothing to support that old assumption. I'm
> guessing that a "doublet" is just a fancy (and confusing) term for a plain old dipole.

A "doublet" is an OLD name for a center fed dipole.
Dipoles can be fed anywhere, "doublets" are only fed in the center.
"Dipole" means both poles of the "wave" (a cycle) are on the conductor at the same time.

--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21715. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 08:29:25 UTC
From: dean
Topic: 21658 Message: 21715

My radio has a tuner in it but its not on. I have a external tuner but it does not like my FT-950 but it loves my FT-857D

73, WY6L

From: Larry Tooley
Sent: Wednesday, December 28, 2011 11:09 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Can You Answer This Question?

Amen! They used to be called the Tune and Load controls in the transmitter.
Now they chopped them out and sell them separately.
----- Original Message -----
From: dean
To: mailto:ham-antennas%40yahoogroups.com
Sent: Wednesday, December 28, 2011 9:57 AM
Subject: Re: [ham-antennas] Re: Can You Answer This Question?

That’s why God invented Tuners. hi hi

73, WY6L

From: VE3FMC
Sent: Wednesday, December 28, 2011 4:54 AM
To: mailto:ham-antennas%40yahoogroups.com
Subject: [ham-antennas] Re: Can You Answer This Question?

Wet snow changed the SWR, happens all the time in this part of the
country. I shook the dipoles and got most of that snow off and during the
evening it got a lot colder and froze. Now it is windy so I think most of
the snow is off the wires as things are just about back to normal.
Rick VE3FMC

--- In mailto:ham-antennas%40yahoogroups.com, Stephen Bennett <kj6ddf@...>
wrote:
>
> thought someone already guessed wet snow
>
>
> _____
> From: kd8bbk <kd8bbk@...>
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Wednesday, December 28, 2011 5:10 AM
> Subject: [ham-antennas] Re: Can You Answer This Question?
>
>
> Â

> I'm geussing the weather. Either Ice on the dipole or very wet
conditions. HI HI. Tony
>
> --- In mailto:ham-antennas%40yahoogroups.com, "VE3FMC" <ve3fmc@> wrote:
> >
> > OK here is a simple question and we'll see who gets the answer correct
first.
> >
> > This morning my 80 Meter dipole was resonate at 3.755. Now it is
resonate at 3.650.
> >
> > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> >
> > What changed the points of resonance on those two dipoles?
> >
> > Ok let's see who gets it right the first time around. Of course the
person who posts the correct answer will be the winner. No one can copy that
answer :)
> >
> > 73 Rick VE3FMC
> >
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21716. AW: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 12:25:58 UTC
From: siegfried jackstien
Topic: 21658 Message: 21716

Open wire feeder if properly balanced does NOT radiate
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Larry Tooley
> Gesendet: Donnerstag, 29. Dezember 2011 07:09
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Can You Answer This Question?
>
>
>
> Since the feedline radiates, I think it offers a low angle vertical signal
> good for DX.
> ----- Original Message -----
> From: Ken
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, December 28, 2011 10:18 AM
> Subject: Re: [ham-antennas] Re: Can You Answer This Question?
>
> A center fed 80m half wave fed with open wire is an excellent antenna for
> all bands, 80 through 6, assuming you have a proper antenna tuner or a
> transmitter that will match it.
>
> Don't confuse antenna efficiency with directivity. They are not the same.
> An 80m center fed dipole fed with open wire on 20m will be more
> "efficient"
> than a 4 element Yagi. Yes, a Yagi will direct more energy in a specific
> direction, but will radiate less total power than a dipole. It just
> directs
> the power, but at a cost.
>
> Of course a Yagi will not work across all bands because the parasitic
> elements need resonance of their own.
>
> As to your statement that a 40m dipole on 20m will operate terribly, again
> I suggest you read the ARRL Handbook or the ARRL Antenna Book and look up
> "Two half waves in phase" antenna. It's a great antenna and the basis of
> beams like the Lazy-H, and the 8JK (designed by John Kraus, the author of
> "Antennas" probably the best professional classic antenna book).
>
> As for as capacitors arcing over in a final amplifier, that is not an
> indication of lack of efficiency, but rather the transmitter not being
> designed to handle high impedance loads. The classic Johnson Viking II

> transmitter will load virtually any antenna without arcing or overload.
>
> Oh, one other point: many antennas (perhaps most) operate perfectly fine
> without being "resonant". Most AM broadcast antennas are not "resonant"
> but
> rather are designed to operate above their point of resonance in order to
> better direct their power.
>
> Do not confuse an apparent low SWR with resonance. They are not the same.
>
> Ken WA8JXM
>
> On Dec 28, 2011, at 10:00 AM, Ron Youvan wrote:
>
> > "it will be reflected back and forth until it is radiated, just like an
> antenna on it's
> > fundamental frequency"
> >
> > I respectfully disagree. If it were all radiated eventually, there would
> be no need to resonate
> > an antenna at our operating frequency. Your 40 meter dipole would work
> just as well at 6 meters as
> > an antenna designed to operate on 6 meters, (all Yagi's would cover 160
> to 6 meters) this is not so.
> > The source of RF (transmitter via any tuning equipment in use) is a lot
> closer to the impedance of
> > the transmission line than a 40 meter dipole fed with 20 meter energy,
> so it will only reflect some
> > of the energy. It will dissipate much of it.
> > If you feed a high power tube amplifier that is properly operating at 20
> meters into a 20 meter,
> > antenna into a 40 meter dipole and it will arc at it's tuning capacitor
> and generate a great deal of
> > heat. If you feed a transistor amplifier (such as your transceiver's
> output amplifier) with the
> > "fold back" disabled you will *melt* the output transistors.
> > The transmitter will absorb much more reflected power (from the wrong
> antenna) than a 20 meters
> > signal feeding a 40 meter dipole. (the wrong antenna)
> > Some energy will leak out and be radiated, but not much, not enough for
> you to think everything
> > is fine.
>
> [Non-text portions of this message have been removed]
>
>
>
>

21717. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 12:52:49 UTC
From: doug pfaff
Topic: 21717 Message: 21717

hi Gloria and James

It took me 15 years to beat the code issue because i could not consistently put the initial time in to get over the learning curve needed

Since the WRC of 2000 removed it being mandatory requirement internationally.

watch the 2012 WRC conference as 5 mhz band is up for discussion

This left the code issue for each countries organization to adopt as they saw fit(no code or code) some countries were dead set against dropping code so thats why its not a clear cut issue.

Our regulator Industry Canda has modified things since the WRC of 2000 were code requirement was given a major overhaul internationally.

These WRC conferences put everything on the table for open discussion internationally every 4 years

Check with your FCC (usa regulator) to see where they went with the code issue, check out the reciprocal agreement area to see how you operated in other territories

hear are some code learning tips

1) using tapes did not work for me as you were hearing sounds but you got to memorize them over time then the real exam blew you away

2) use your computer using Super Morse Program

3) Setting up the timing factor is critical so the all the sounds come out right so they sound like real world code
4) Set the learning charture speed at 18wpm so each letter is a sound
5) Find out the tone you hear it best at, in my case had to lower it from the default setting.
6) Find your best time of day to learn, mine was before going to work from 6:30 am to 7:00 am where your brain is relaxed.
7) Use the learn function so you learn each letter well initally, use the words to really find out how they sound put to common use
8) Then use the random characters groups to become proficient when you get about 90% right plain code will be super easy.

Punctuation and numbers become easy as they sound totally different

Only use a 30 minute period after that your not learning anything.

I made the mistake of learning it at15 wpm and it took a lot of work to break all the habits.set IT at 18 and hear the difference.

By learning the receive first you know what you have to mimick on the send using a code oscillator.

Here is the benefit if you learn it(code) you will be able to go to most countiries using the reciprocal agreements. Just ask the FCC staff where to find the info on there web site each countries list will be different.

One of the hams here was rusty and he talked to usa novice ham to bring his profiency back up to 12 wpm.

Canada has since dropped it to 5 wpm from the original 12 wpm.if people bas the basic exam with over 85 % mark they automatically get the code endorsement just an exaple of how variable the issue is

Send me your email address direct and i'll pull the discussion off the forum.

Doug ve5dcp

emails ve5dcp@...
doug.pfaff@...

----- Original Message -----
From: James
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 27, 2011 5:04 PM
Subject: [ham-antennas] Re: "dumming down"

Hi Gloria,

You are not the only one to have a "mental block" about morse code. I am now 67, and first tried learning the code in high school, and then again, off and on, over the next 40 years. There was a point in which the whole thing turned into "noise" and I couldn't tell a dit from a dot. Even with the advent of the "computer age", none of the software would able me to pass the "noise" barrier.... and I bought my first computer in 1978!

I was told to "just keep at it", "keep on pluggin'", and "you're just not working hard enough", etc, etc, ... Finally, I realized that it wasn't "me", but just that the normal methods of learning the code didn't work. So, I started to look around, read a couple of books, tried different things, and may have found a method which works... for me, at least. Apparently, everyone is not "wired" to learn code the same way.

During the Vietnam War era the US Military taught high speed code reception to code breakers using a "sound alike" method... according to a comment I found on a web page. I've found a little information on the web and am using it to give this a tryout... so far the results are encouraging. My goal is to be able to communicate with CW at 15wpm... not very lofty, but a major life accomplishment for me.

Now... to stay on topic.... my opinions as far as "dumming down" is concerned... everyone has different talents to bring to this very large table called "ham radio". Morse code is just another operating mode and we should have done away with its high speed requirement 20 years ago. If we want to restrict ham radio, lets have the test contain binary and hexadecimal math problems! That's important stuff these days. How about having test takers write a two page paper on "string theory"?

Just kidding! Ham radio is a large house with hundreds of rooms and doors. There's something interesting going on in every one of those rooms. I've found "my" rooms and am having a great time!

73, Jim, K9JFK

--- In ham-antennas@yahoogroups.com, GLORIA WELLS <GloriaW4@...> wrote:
>
> Hi All,
> Â
> I am one othe new hams, I have an electronics background and have been wanting to be a ham since I was about 7. I am now 63, I had a mental block about the code and this kept me from being a ham then life came along. I spent 21 yrs in the Navy. Then work came along. Since I retired I joined a civilian group called CERT and they offered me a chance to get my Tech ticket and I jumped for it. I am now a general working on her extra class.
> Â I have been lucky and met several good Elmers that have gone out of there way to help all of the new Hams here. One thing we need to remember, I consider the older Hams as a super resource of information, it has helped me learn about building my own 2 meter antennas, and repairing my own gear.
> Â Just remember, we can all learn something from each other, whether a new ham or an old hand at it.
> Â
> Â Gloria
> Â
> KK4DXM
>

[Non-text portions of this message have been removed]

21718. Re: [ham-antennas] Re: G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 12:55:26 UTC
From: Ken
Topic: 21673 Message: 21718

On Dec 28, 2011, at 9:23 PM, kd8dvy@... wrote:

> With a quick look at the SWR graph, the points that are resonant are between ham bands like the G5RV. As for the OCF the SWR is more in line with ham bands.

SWR does NOT indicate resonance. Resonance often may not provide a low SWR (especially on a center fed dipole with open wire).

A low SWR is only important with coax feed.

If you are unconvinced, let me put it this way: a 130' center fed dipole fed with open wire. Will it have a high SWR on 80m? yes. Will it be resonant? YES. 40m? High SWR but resonant as "a two half waves in phase collinear". 20m....15....10.... yes, yes.

There are techniques to adjust the feedline as a matching transformer, but that usually only works on one band.

But the bottom line is: SWR does not necessarily indicated resonance and resonance does not necessarily provide a 1:1 SWR. SWR is a measure of the impedance match between the feedline and the antenna, not a measure of resonance, especially when using ladder line or open wire.

Now there is nothing wrong with adjusting your coax fed antenna for lowest SWR, that's good, but only an issue with coax feed.

Ken
WA8JXM

21719. AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 12:56:12 UTC
From: siegfried jackstien
Topic: 21673 Message: 21719

Wrong
Every doublet is a dipole ... but not all dipoles are doublets
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Larry Tooley
> Gesendet: Donnerstag, 29. Dezember 2011 07:40
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.
>
>
>
> EEEEEeks! The drawing failed. My version of the doublet was supposed to
> show a regular center fed half wave dipole, only two parallel lines form
> each 1/4 wave side. This makes it broad-band. Is my thinking correct?
>
> ----- Original Message -----
> From: Larry Tooley
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Thursday, December 29, 2011 1:26 AM
> Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.
>
> I always thought a doublet was a half-wave dipole that could be center fed
> with coax. Each side of the dipole had at least two wires in parallel to
> make it broad-banded.
> __________ _____________
> / \ /
> \
> / \ /
> \
> = = =
> =
> \ / | | \
> /
> __________/ | | _____________/
> | |
> | |
> ----- Original Mesage -----
> From: Ron Youvan
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, December 28, 2011 8:39 AM
> Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.
>

> Ken WA8JXM wrote:
>
> > BTW, you use the term "doublet". I'm not sure what exactly a "doublet"
> is since the term is not
> > defined in any of my ARRL Handbooks or Antenna Books and Bill Orr
> doesn't even use the term. Decades
> > ago, I used to think it was a folded dipole but I have nothing to
> support that old assumption. I'm
> > guessing that a "doublet" is just a fancy (and confusing) term for a
> plain old dipole.
>
> A "doublet" is an OLD name for a center fed dipole.
> Dipoles can be fed anywhere, "doublets" are only fed in the center.
> "Dipole" means both poles of the "wave" (a cycle) are on the conductor at
> the same time.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>

21720. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 13:06:27 UTC
From: Ken
Topic: 21673 Message: 21720

On Dec 29, 2011, at 2:39 AM, Larry Tooley wrote:

> EEEEEeks! The drawing failed. My version of the doublet was supposed to
> show a regular center fed half wave dipole, only two parallel lines form
> each 1/4 wave side. This makes it broad-band. Is my thinking correct?

Your drawing came through fine here.

There are several ways to make a dipole more broad banded:

-- make a larger conductor by using parallel wires tied together at the end. When you do this with 3 or 4 conductors, it's called a "caged dipole" I believe.

-- use two (or more) conductors not tied together at the end but of slightly different length. Basically a fan dipole but for a single band instead of multi band.

-- use tubing for the antenna. That's only practical at UHF frequencies.

I'm not sure that it's really worth it except on UHF. Yes, it will lower the SWR a bit but most rigs can handle the SWR from a single wire dipole anyway. On UHF frequencies where the additional coax losses could be important and it's easy to use tubing, it makes sense.

Ken WA8JXM

21721. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 13:20:42 UTC
From: Ken
Topic: 21717 Message: 21721

On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:

> 4) Set the learning charture speed at 18wpm so each letter is a sound

I believe that different things work for different people.

However, I highly recommend AGAINST the idea of learning with fast letters and wide spacing. Too many people are learning that way and never learn proper spacing and send really, really horrible CW. They can't send CW worth a darn!

What worked for me: no machines, no tapes (I tried that and failed). I just mentally repeated to myself "di dah A di dah A" many times until I started thinking "A" automatically when I heard "di dah". Then another random letter from the alphabet, maybe "di dah di R", repeated many, many times. Again, that's what worked for me. Other approaches work for other people.

But please, let's stay away from this characters at 18 wpm with spacing to bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm characters with spacing for 12 or 15 wpm. Please, no!

Maybe they have done us a disservice by discontinuing the novice bands. It used to be that one knew where to find stations using slow CW: the 50 kHz in the novice bands. Perhaps the ARRL and other organizations need to jointly recommend frequencies in each band for slow speed operation.

73,
Ken WA8JXM

[Non-text portions of this message have been removed]

21722. Re: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 13:23:49 UTC
From: Ken
Topic: 21673 Message: 21722

On Dec 29, 2011, at 7:56 AM, siegfried jackstien wrote:

> Every doublet is a dipole ... but not all dipoles are doublets

Could we perhaps agree that "doublet" is an archaic term that no one agrees on what it means and therefore should be dropped in favor of less confusing terms? :-)

Someone the other day said that it dated back to when hams used lamp cord for feedline. Since lamp cord feedline is obsolete, let's put doublet into the same basket and bury it!

:-)

73,
Ken WA8JXM

21723. AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 13:54:49 UTC
From: siegfried jackstien
Topic: 21673 Message: 21723

My understanding is that a dipole when fed with ladderline and used
multiband then its name is a doublet

A dipole is mostly a resonant thing and very often fed via a balun and coax
(1:1 when cen6terfed, 1:4 or 1:6 when off-center fed)
Multiband with fanned dipoles or traps

A doublet is very often NOT resonant on any of the hambands but made a
resonant system with the ladderline and the tuner

And lamp cord is still available :-)

But now we use ladderline instead of the lamp cord

So the name doublet should not be thrown in a basket ... but used correctly

Dg9bfc
Sigi

Happy twelve

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ken
> Gesendet: Donnerstag, 29. Dezember 2011 13:24
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.
>
>
>
>
> On Dec 29, 2011, at 7:56 AM, siegfried jackstien wrote:
>
> > Every doublet is a dipole ... but not all dipoles are doublets
>
> Could we perhaps agree that "doublet" is an archaic term that no one
> agrees on what it means and therefore should be dropped in favor of less
> confusing terms? :-)
>
> Someone the other day said that it dated back to when hams used lamp cord
> for feedline. Since lamp cord feedline is obsolete, let's put doublet into
> the same basket and bury it!
>
> :-)
>
> 73,
> Ken WA8JXM

>
>

21724. Re: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 14:10:14 UTC
From: Ken
Topic: 21673 Message: 21724

On Dec 29, 2011, at 8:54 AM, siegfried jackstien wrote:

> My understanding is that a dipole when fed with ladderline and used
> multiband then its name is a doublet

Wow! First time I ever heard that! I have seen the Handbook call it a "Zepp" which I believe is another gross corruption :(

>
> A dipole is mostly a resonant thing and very often fed via a balun and coax
> (1:1 when cen6terfed, 1:4 or 1:6 when off-center fed)
> Multiband with fanned dipoles or traps

It's popular with some autotuners to use 100' centerfed antenna as a multiband antenna. Since it's not "resonant" would that mean it's not a "dipole"? To me, "di-pole" is "di" (two) pole (sections).

>
> A doublet is very often NOT resonant on any of the hambands but made a
> resonant system with the ladderline and the tuner

I'm not touching that one! Already had a recent discussion on another group of whether "resonant" applies to the just the antenna, or the whole system including the tank circuit or tuner inside the transmitter. With the later definition, all antennas are "resonant" :roll eyes: My old Viking II transmitter can load a 3' steel fishing pole on 80m. I refuse to consider that "resonant".

>
> And lamp cord is still available :-)

But I hope no one is using it for feedline!!!
>

> So the name doublet should not be thrown in a basket ... but used correctly

And who will decide what is "correctly" since it is an ill defined term (none of my ARRL pubs define it and Bill Orr doesn't even use the term). In the dictionary, I think it's a piece of clothing ;-)

73,
Ken WA8JXM

21725. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 14:14:05 UTC
From: doug pfaff
Topic: 21717 Message: 21725

Ken

The Canadian exams were based on knowing sounds instead of Di Dah which you could easily mimics at 5 wpm test

The whole idea is learn as "sounds" it much easier so you don't get trapped in the Di Dah trap later as word get into the higher speeds ,back prior to 2000 we had to know code at 12 wpm much like the American 15 wpm or 20 wpm class at that time.

I have seen it first hand in my kitchen back in the 1980's from military trained hams from northern Canada and they go by the sounds(HE WAS COPYING CODE AT 25 OR 30 WPM WITH NO PENCIL AND TOLD ME THE GIST OF THE CONVERSATION).he was a dew line operator from 1960 and 1970 in Northern Canada and he told me the secret is knowing the sounds made and not having to think.

I really believe this as that's how I passed my code at 12 wpm level here in Canada prior to 2000 when the WRC downgrade it to 5 wpm internationally or to the no code requirement.

Try supermorse program properly set up and set it at 15 then 18 work character speed and see the difference its Huge.

Our Canadian examiners would not pass us unless the spacing was right so we got no breaks if we could not send decent code.

I've had exposure to this hobby since the early 1970 when you had only two things to get a Canadian license if both element were not passed within 1 year you started over, a very difficult technical exam that I passed after studying at post secondary tech school and code proficiency at 15 wpm send and receive.

Did not pass code till the 1990 when I got off the road and was able to dedicate the time to it.

Best wishes for 2012

Doug VE5DCP

Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: Ken
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 7:20 AM
Subject: Re: [ham-antennas] Re: "dumming down" "code info"

On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:

> 4) Set the learning charture speed at 18wpm so each letter is a sound

I believe that different things work for different people.

However, I highly recommend AGAINST the idea of learning with fast letters and wide spacing. Too many people are learning that way and never learn proper spacing and send really, really horrible CW. They can't send CW worth a darn!

What worked for me: no machines, no tapes (I tried that and failed). I just mentally repeated to myself "di dah A di dah A" many times until I started thinking "A" automatically when I heard "di dah". Then another random letter from the alphabet, maybe "di dah di R", repeated many, many times. Again, that's what worked for me. Other approaches work for other people.

But please, let's stay away from this characters at 18 wpm with spacing to bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm characters with spacing for 12 or 15 wpm. Please, no!

Maybe they have done us a disservice by discontinuing the novice bands. It used to be that one knew where to find stations using slow CW: the 50 kHz in the novice bands. Perhaps the ARRL and other organizations need to jointly recommend frequencies in each band for slow speed operation.

73,
Ken WA8JXM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21726. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 14:40:21 UTC
From: Frank Kirschner
Topic: 21717 Message: 21726

Good observations.

I originally learned the code from a record, but got only to the 5 wpm for my novice test. To get above that, I used the W!AW code broadcasts. I just worked at it two or three sessions a week, not worrying about progress, and eventually discovered I could copy sporadically at 30, solid at 25. Below 20 wpm, they send the characters at around 18 wpm and put spacing between them. This forces listeners to hear sounds, not count dots and dashes, even at low speeds. Above 18 wpm, the code is correctly spaced, so the listener gets to hear perfectly formed code.

Try to listen for words. CQ, QRZ, the, es, and other common combinations are easy. Then you just have to fill in.

It is certainly true that some people just don't have an aptitude for it. My advice would be not to worry about progress, but just listen and copy for as long as you can. When it all starts to run together, as it did for me at times, just stop and do something else.

GL with the code.

73,
Frank
KF6E

On Thu, Dec 29, 2011 at 7:52 AM, doug pfaff <doug.pfaff@...> wrote:

> **
>
>
> hi Gloria and James
>
> It took me 15 years to beat the code issue because i could not
> consistently put the initial time in to get over the learning curve needed
>

[Non-text portions of this message have been removed]

21727. Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 14:44:13 UTC
From: VE3FMC
Topic: 21658 Message: 21727

I have an external tuner and it works fine with my FT-950. Can't understand why your external tuner works with your FT-857D and not with your FT-950?
Rick VE3FMC

--- In ham-antennas@yahoogroups.com, "dean" <deanf@...> wrote:
>
> My radio has a tuner in it but its not on. I have a external tuner but it does not like my FT-950 but it loves my FT-857D
>
> 73, WY6L
>
> From: Larry Tooley
> Sent: Wednesday, December 28, 2011 11:09 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: Can You Answer This Question?
>
>
> Amen! They used to be called the Tune and Load controls in the transmitter.
> Now they chopped them out and sell them separately.
> ----- Original Message -----
> From: dean
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Wednesday, December 28, 2011 9:57 AM
> Subject: Re: [ham-antennas] Re: Can You Answer This Question?
>
> Thatâ□□s why God invented Tuners. hi hi
>
> 73, WY6L
>
> From: VE3FMC
> Sent: Wednesday, December 28, 2011 4:54 AM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] Re: Can You Answer This Question?
>
> Wet snow changed the SWR, happens all the time in this part of the
> country. I shook the dipoles and got most of that snow off and during the
> evening it got a lot colder and froze. Now it is windy so I think most of
> the snow is off the wires as things are just about back to normal.
> Rick VE3FMC
>
> --- In mailto:ham-antennas%40yahoogroups.com, Stephen Bennett <kj6ddf@>
> wrote:
> >
> > thought someone already guessed wet snow
> >

> >
> > _____
> > From: kd8bbk <kd8bbk@>
> > To: mailto:ham-antennas%40yahoogroups.com
> > Sent: Wednesday, December 28, 2011 5:10 AM
> > Subject: [ham-antennas] Re: Can You Answer This Question?
> >
> >
> > Ã□
> > I'm geussing the weather. Either Ice on the dipole or very wet
> conditions. HI HI. Tony
> >
> > --- In mailto:ham-antennas%40yahoogroups.com, "VE3FMC" <ve3fmc@> wrote:
> > >
> > > OK here is a simple question and we'll see who gets the answer correct
> first.
> > >
> > > This morning my 80 Meter dipole was resonate at 3.755. Now it is
> resonate at 3.650.
> > >
> > > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> > >
> > > What changed the points of resonance on those two dipoles?
> > >
> > > Ok let's see who gets it right the first time around. Of course the
> person who posts the correct answer will be the winner. No one can copy that
> answer :)
> > >
> > > 73 Rick VE3FMC
> > >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21728. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 14:53:29 UTC
From: Ken
Topic: 21717 Message: 21728

Doug,

I don't understand what you mean by "the di dah trap". I'm not talking about memorizing dot and dash, but rather the sounds and having my mind automatically relate that to a letter. Hear a certain sound, think a certain letter (and eventually print that letter).

FWIW, I got my (5wpm) novice in July 1963, my 13 wpm General four months later and my 20 wpm Extra in 1967 when they implemented Incentive Licensing. All but the novice was in front of FCC examiners and we had to have one full minute of perfect copy, no answering questions about what was sent, you had to have 13 or 20 consecutive words perfect copy. Likewise we had to send by hand.

I developed an automatic reflex with my fingers twitching the pencil when I heard certain sounds. Sometimes I had to look down at the paper to see what had been sent. It wasn't until 25 years later that I started copying in my head and broke the 30 wpm barrier. I literally used to _print_ 29 wpm.

73,
Ken WA8JXM

On Dec 29, 2011, at 9:14 AM, doug pfaff wrote:

> Ken
>
> The Canadian exams were based on knowing sounds instead of Di Dah which you could easily mimics at 5 wpm test
>
> The whole idea is learn as "sounds" it much easier so you don't get trapped in the Di Dah trap later as word get into the higher speeds ,back prior to 2000 we had to know code at 12 wpm much like the American 15 wpm or 20 wpm class at that time.
>
> I have seen it first hand in my kitchen back in the 1980's from military trained hams from northern Canada and they go by the sounds(HE WAS COPYING CODE AT 25 OR 30 WPM WITH NO PENCIL AND TOLD ME THE GIST OF THE CONVERSATION).he was a dew line operator from 1960 and 1970 in Northern Canada and he told me the secret is knowing the sounds made and not having to think.
>
> I really believe this as that's how I passed my code at 12 wpm level here in Canada prior to 2000 when the WRC downgrade it to 5 wpm internationally or to the no code requirement.
>
> Try supermorse program properly set up and set it at 15 then 18 work character speed and see the difference its Huge.
>
> Our Canadian examiners would not pass us unless the spacing was right so we got no breaks if we could not send decent code.
>

> I've had exposure to this hobby since the early 1970 when you had only two things to get a Canadian license if both element were not passed within 1 year you started over, a very difficult technical exam that I passed after studying at post secondary tech school and code proficiency at 15 wpm send and receive.
>
> Did not pass code till the 1990 when I got off the road and was able to dedicate the time to it.
>
> Best wishes for 2012
>
> Doug VE5DCP
>
>
>
> Doug Pfaff
> doug.pfaff@...
> ----- Original Message -----
> From: Ken
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, December 29, 2011 7:20 AM
> Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
>
>
>
> On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
>
>> 4) Set the learning charture speed at 18wpm so each letter is a sound
>
> I believe that different things work for different people.
>
> However, I highly recommend AGAINST the idea of learning with fast letters and wide spacing. Too many people are learning that way and never learn proper spacing and send really, really horrible CW. They can't send CW worth a darn!
>
> What worked for me: no machines, no tapes (I tried that and failed). I just mentally repeated to myself "di dah A di dah A" many times until I started thinking "A" automatically when I heard "di dah". Then another random letter from the alphabet, maybe "di dah di R", repeated many, many times. Again, that's what worked for me. Other approaches work for other people.
>
> But please, let's stay away from this characters at 18 wpm with spacing to bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm characters with spacing for 12 or 15 wpm. Please, no!
>
> Maybe they have done us a disservice by discontinuing the novice bands. It used to be that one knew where to find stations using slow CW: the 50 kHz in the novice bands. Perhaps the ARRL and other organizations need to jointly recommend frequencies in each band for slow speed operation.
>

> 73,
> Ken WA8JXM

21729. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 15:32:49 UTC
From: doug pfaff
Topic: 21717 Message: 21729

Ken

Our Canadian code requirements were 3 minutes of copy and could review and fill in missing info but you were allowed only 3 errors.

Punctuation and Q codes and number were automatic 2 errors each.THEY SENT 3 5 LETTER/NUMBER CODE GROUPS AT THE END THAT YOU COULD NOT MISS on as it was automatic fail the test.

Sending was by hand key only

My military friend didn't even write it down even at 25 or 30 wpm.

Your first statement of sound only is the secret.

A lot of the people who know how to teach code are quickly becoming silent keys sadly

Best wishes for 2012

Doug VE5DCP

Doug Pfaff
doug.pfaff@...
----- Original Message -----
From: Ken
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 8:53 AM
Subject: Re: [ham-antennas] Re: "dumming down" "code info"

Doug,

I don't understand what you mean by "the di dah trap". I'm not talking about memorizing dot and dash, but rather the sounds and having my mind automatically relate that to a letter. Hear a certain sound, think a certain letter (and eventually print that letter).

FWIW, I got my (5wpm) novice in July 1963, my 13 wpm General four months later and my 20 wpm Extra in 1967 when they implemented Incentive Licensing. All but the novice was in front of FCC examiners and we had to have one full minute of perfect copy, no answering questions about what was sent, you had to have 13 or 20 consecutive words perfect copy. Likewise we had to send by hand.

I developed an automatic reflex with my fingers twitching the pencil when I heard certain sounds. Sometimes I had to look down at the paper to see what had been sent. It wasn't until 25 years later that I started copying in my head and broke the 30 wpm barrier. I literally used to _print_ 29 wpm.

73,
Ken WA8JXM

On Dec 29, 2011, at 9:14 AM, doug pfaff wrote:

> Ken
>
> The Canadian exams were based on knowing sounds instead of Di Dah which you could easily mimics at 5 wpm test
>
> The whole idea is learn as "sounds" it much easier so you don't get trapped in the Di Dah trap later as word get into the higher speeds ,back prior to 2000 we had to know code at 12 wpm much like the American 15 wpm or 20 wpm class at that time.
>
> I have seen it first hand in my kitchen back in the 1980's from military trained hams from northern Canada and they go by the sounds(HE WAS COPYING CODE AT 25 OR 30 WPM WITH NO PENCIL AND TOLD ME THE GIST OF THE CONVERSATION).he was a dew line operator from 1960 and 1970 in Northern Canada and he told me the secret is knowing the sounds made and not having to think.
>
> I really believe this as that's how I passed my code at 12 wpm level here in Canada prior to 2000 when the WRC downgrade it to 5 wpm internationally or to the no code requirement.
>
> Try supermorse program properly set up and set it at 15 then 18 work character speed and see the difference its Huge.
>
> Our Canadian examiners would not pass us unless the spacing was right so we got no breaks if we could not send decent code.
>
> I've had exposure to this hobby since the early 1970 when you had only two things to get a Canadian license if both element were not passed within 1 year you started over, a very difficult technical exam that I passed after studying at post secondary tech school and code proficiency at 15 wpm send and receive.
>
> Did not pass code till the 1990 when I got off the road and was able to dedicate the time to it.
>
> Best wishes for 2012
>
> Doug VE5DCP
>
>
>
> Doug Pfaff
> doug.pfaff@...
> ----- Original Message -----
> From: Ken
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, December 29, 2011 7:20 AM
> Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
>
>
>
> On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
>

>> 4) Set the learning charture speed at 18wpm so each letter is a sound
>
> I believe that different things work for different people.
>
> However, I highly recommend AGAINST the idea of learning with fast letters and wide spacing. Too many people are learning that way and never learn proper spacing and send really, really horrible CW. They can't send CW worth a darn!
>
> What worked for me: no machines, no tapes (I tried that and failed). I just mentally repeated to myself "di dah A di dah A" many times until I started thinking "A" automatically when I heard "di dah". Then another random letter from the alphabet, maybe "di dah di R", repeated many, many times. Again, that's what worked for me. Other approaches work for other people.
>
> But please, let's stay away from this characters at 18 wpm with spacing to bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm characters with spacing for 12 or 15 wpm. Please, no!
>
> Maybe they have done us a disservice by discontinuing the novice bands. It used to be that one knew where to find stations using slow CW: the 50 kHz in the novice bands. Perhaps the ARRL and other organizations need to jointly recommend frequencies in each band for slow speed operation.
>
> 73,
> Ken WA8JXM

[Non-text portions of this message have been removed]

21730. AW: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 15:49:36 UTC
From: siegfried jackstien
Topic: 21673 Message: 21730

Zepp = endfed dipole fed via quarterwave ladderline transformer
Double zepp = similar to doublet
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ken
> Gesendet: Donnerstag, 29. Dezember 2011 14:10
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.
>
>
>
>
> On Dec 29, 2011, at 8:54 AM, siegfried jackstien wrote:
>
> > My understanding is that a dipole when fed with ladderline and used
> > multiband then its name is a doublet
>
> Wow! First time I ever heard that! I have seen the Handbook call it a
> "Zepp" which I believe is another gross corruption :(
>
> >
> > A dipole is mostly a resonant thing and very often fed via a balun and
> coax
> > (1:1 when cen6terfed, 1:4 or 1:6 when off-center fed)
> > Multiband with fanned dipoles or traps
>
> It's popular with some autotuners to use 100' centerfed antenna as a
> multiband antenna. Since it's not "resonant" would that mean it's not a
> "dipole"? To me, "di-pole" is "di" (two) pole (sections).
>
> >
> > A doublet is very often NOT resonant on any of the hambands but made a
> > resonant system with the ladderline and the tuner
>
> I'm not touching that one! Already had a recent discussion on another
> group of whether "resonant" applies to the just the antenna, or the whole
> system including the tank circuit or tuner inside the transmitter. With
> the later definition, all antennas are "resonant" :roll eyes: My old
> Viking II transmitter can load a 3' steel fishing pole on 80m. I refuse to
> consider that "resonant".
>

> >
> > And lamp cord is still available :-)
>
> But I hope no one is using it for feedline!!!
> >
>
> > So the name doublet should not be thrown in a basket ... but used
> correctly
>
> And who will decide what is "correctly" since it is an ill defined term
> (none of my ARRL pubs define it and Bill Orr doesn't even use the term).
> In the dictionary, I think it's a piece of clothing ;-)
>
> 73,
> Ken WA8JXM
>
>
>
>

21731. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 15:52:08 UTC
From: Joe
Topic: 21658 Message: 21731

Yup, I actually miss those old rigs. If the plate dipped and the load
peaked you were OK to go! SWR mattered not!
Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 12/29/2011 1:09 AM, Larry Tooley wrote:
> Amen! They used to be called the Tune and Load controls in the transmitter.
> Now they chopped them out and sell them separately.
> ----- Original Message -----
> From: dean
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, December 28, 2011 9:57 AM
> Subject: Re: [ham-antennas] Re: Can You Answer This Question?
>
>
>
> That’s why God invented Tuners. hi hi
>
> 73, WY6L
>
> From: VE3FMC
> Sent: Wednesday, December 28, 2011 4:54 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Can You Answer This Question?
>
> Wet snow changed the SWR, happens all the time in this part of the
> country. I shook the dipoles and got most of that snow off and during the
> evening it got a lot colder and froze. Now it is windy so I think most of
> the snow is off the wires as things are just about back to normal.
> Rick VE3FMC
>
> --- In mailto:ham-antennas%40yahoogroups.com, Stephen Bennett<kj6ddf@...>
> wrote:
> >
> > thought someone already guessed wet snow
> >
> >
> > _____
> > From: kd8bbk<kd8bbk@...>
> > To: mailto:ham-antennas%40yahoogroups.com
> > Sent: Wednesday, December 28, 2011 5:10 AM

> > Subject: [ham-antennas] Re: Can You Answer This Question?
> >
> >
> > Â
> > I'm geussing the weather. Either Ice on the dipole or very wet
> conditions. HI HI. Tony
> >
> > --- In mailto:ham-antennas%40yahoogroups.com, "VE3FMC"<ve3fmc@> wrote:
> > >
> > > OK here is a simple question and we'll see who gets the answer correct
> first.
> > >
> > > This morning my 80 Meter dipole was resonate at 3.755. Now it is
> resonate at 3.650.
> > >
> > > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> > >
> > > What changed the points of resonance on those two dipoles?
> > >
> > > Ok let's see who gets it right the first time around. Of course the
> person who posts the correct answer will be the winner. No one can copy that
> answer :)
> > >
> > > 73 Rick VE3FMC
> > >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752
members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
>

[Non-text portions of this message have been removed]

21732. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 16:04:51 UTC
From: Joe
Topic: 21717 Message: 21732

I used a buddy to learn to get to the 5 wpm for my novice. Then the
best way to gain speed is simple.

USE IT!

Simply getting on the air and talk to people with it will increase your
speen in no time.

Plus

IT IS FUN!

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 12/29/2011 8:40 AM, Frank Kirschner wrote:
> Good observations.
>
> I originally learned the code from a record, but got only to the 5 wpm for
> my novice test. To get above that, I used the W!AW code broadcasts. I
> just worked at it two or three sessions a week, not worrying about
> progress, and eventually discovered I could copy sporadically at 30, solid
> at 25. Below 20 wpm, they send the characters at around 18 wpm and put
> spacing between them. This forces listeners to hear sounds, not count dots
> and dashes, even at low speeds. Above 18 wpm, the code is correctly
> spaced, so the listener gets to hear perfectly formed code.
>
> Try to listen for words. CQ, QRZ, the, es, and other common combinations
> are easy. Then you just have to fill in.
>
> It is certainly true that some people just don't have an aptitude for it.
> My advice would be not to worry about progress, but just listen and copy
> for as long as you can. When it all starts to run together, as it did for
> me at times, just stop and do something else.
>
> GL with the code.
>
> 73,
> Frank
> KF6E
>
> On Thu, Dec 29, 2011 at 7:52 AM, doug pfaff<doug.pfaff@...> wrote:
>

>> **
>>
>>
>> hi Gloria and James
>>
>> It took me 15 years to beat the code issue because i could not
>> consistently put the initial time in to get over the learning curve needed
>>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>

[Non-text portions of this message have been removed]

21733. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 16:25:20 UTC
From: dean
Topic: 21717 Message: 21733

I have a Great Nephew studying for his test. I told him if he could learn code then he can get on 15, 40 and 80 meters and it won't wake his parents if he's doing it late at night. I think code is great and if I could learn it I'd be on the air with it only.

The last time I tried code I'd say the ditty ditty dah dah's out loud till the wife told me to shut up. When the tape went into a fast flurry of code I was totally lost. So I don't know code.

I might give your way a try there Ken. It would be cool when the wife drives I can send and receive code from the car while she listens to her talk radio.

73, WY6L

From: Ken
Sent: Thursday, December 29, 2011 5:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down" "code info"

On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:

> 4) Set the learning charture speed at 18wpm so each letter is a sound

I believe that different things work for different people.

However, I highly recommend AGAINST the idea of learning with fast letters and wide spacing. Too many people are learning that way and never learn proper spacing and send really, really horrible CW. They can't send CW worth a darn!

What worked for me: no machines, no tapes (I tried that and failed). I just mentally repeated to myself "di dah A di dah A" many times until I started thinking "A" automatically when I heard "di dah". Then another random letter from the alphabet, maybe "di dah di R", repeated many, many times. Again, that's what worked for me. Other approaches work for other people.

But please, let's stay away from this characters at 18 wpm with spacing to bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm characters with spacing for 12 or 15 wpm. Please, no!

Maybe they have done us a disservice by discontinuing the novice bands. It used to be that one knew where to find stations using slow CW: the 50 kHz in the novice bands. Perhaps the ARRL and other organizations need to jointly recommend frequencies in each band for slow speed operation.

73,
Ken WA8JXM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21734. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 16:31:21 UTC
From: Ernie Rice
Topic: 21717 Message: 21734

Ham radio is a dieing entity! Look at the average age of ham radio
operators. We can't get new people because of the following reasons
1) No one wants to help them get started
2) Cost of good gear
3) cell phones
4) video games
5) No one will help them (o wait i said that)
Just one persons view

Ernie

On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@...> wrote:

> **
>
>
> I have a Great Nephew studying for his test. I told him if he could learn
> code then he can get on 15, 40 and 80 meters and it won?t wake his parents
> if he?s doing it late at night. I think code is great and if I could learn
> it I?d be on the air with it only.
>
> The last time I tried code I?d say the ditty ditty dah dah?s out loud till
> the wife told me to shut up. When the tape went into a fast flurry of code
> I was totally lost. So I don?t know code.
>
> I might give your way a try there Ken. It would be cool when the wife
> drives I can send and receive code from the car while she listens to her
> talk radio.
>
> 73, WY6L
>
> From: Ken
> Sent: Thursday, December 29, 2011 5:20 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
> On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
>
> > > 4) Set the learning charture speed at 18wpm so each letter is a sound
>
> I believe that different things work for different people.
>
> However, I highly recommend AGAINST the idea of learning with fast letters
> and wide spacing. Too many people are learning that way and never learn
> proper spacing and send really, really horrible CW. They can't send CW
> worth a darn!

>
> What worked for me: no machines, no tapes (I tried that and failed). I
> just mentally repeated to myself "di dah A di dah A" many times until I
> started thinking "A" automatically when I heard "di dah". Then another
> random letter from the alphabet, maybe "di dah di R", repeated many, many
> times. Again, that's what worked for me. Other approaches work for other
> people.
>
> But please, let's stay away from this characters at 18 wpm with spacing to
> bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> characters with spacing for 12 or 15 wpm. Please, no!
>
> Maybe they have done us a disservice by discontinuing the novice bands. It
> used to be that one knew where to find stations using slow CW: the 50 kHz
> in the novice bands. Perhaps the ARRL and other organizations need to
> jointly recommend frequencies in each band for slow speed operation.
>
> 73,
> Ken WA8JXM
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21735. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 16:31:59 UTC
From: dean
Topic: 21658 Message: 21735

By not working I mean I can't just push the darn button to get it to tune. However when I first got it I went thru each band every 20 KC's and tuned the radio. It works well manually if I put it in cw and hit the key, but I just wanted a button push. If I get the YF-450 from LDG then it'll just be a button push. Shoot me for being lazy.

I have remote based my FT-950 but the three antennas don't work on all frequencies. If I let others use my radio, they would have the proper license so no problem there, and want to work 20 meters it only works with the beam not the dipole. Sort of frustrating. But I digress.

73, WY6L

From: VE3FMC
Sent: Thursday, December 29, 2011 6:44 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Can You Answer This Question?

I have an external tuner and it works fine with my FT-950. Can't understand why your external tuner works with your FT-857D and not with your FT-950?
Rick VE3FMC

--- In mailto:ham-antennas%40yahoogroups.com, "dean" <deanf@...> wrote:
>
> My radio has a tuner in it but its not on. I have a external tuner but it does not like my FT-950 but it loves my FT-857D
>
> 73, WY6L
>
> From: Larry Tooley
> Sent: Wednesday, December 28, 2011 11:09 PM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: Re: [ham-antennas] Re: Can You Answer This Question?
>
>
> Amen! They used to be called the Tune and Load controls in the transmitter.
> Now they chopped them out and sell them separately.
> ----- Original Message -----
> From: dean
> To: mailto:ham-antennas%40yahoogroups.com
> Sent: Wednesday, December 28, 2011 9:57 AM
> Subject: Re: [ham-antennas] Re: Can You Answer This Question?
>
> Thatâ□□s why God invented Tuners. hi hi
>
> 73, WY6L
>
> From: VE3FMC

> Sent: Wednesday, December 28, 2011 4:54 AM
> To: mailto:ham-antennas%40yahoogroups.com
> Subject: [ham-antennas] Re: Can You Answer This Question?
>
> Wet snow changed the SWR, happens all the time in this part of the
> country. I shook the dipoles and got most of that snow off and during the
> evening it got a lot colder and froze. Now it is windy so I think most of
> the snow is off the wires as things are just about back to normal.
> Rick VE3FMC
>
> --- In mailto:ham-antennas%40yahoogroups.com, Stephen Bennett <kj6ddf@>
> wrote:
> >
> > thought someone already guessed wet snow
> >
> >
> > _____
> > From: kd8bbk <kd8bbk@>
> > To: mailto:ham-antennas%40yahoogroups.com
> > Sent: Wednesday, December 28, 2011 5:10 AM
> > Subject: [ham-antennas] Re: Can You Answer This Question?
> >
> >
> > Ã□
> > I'm geussing the weather. Either Ice on the dipole or very wet
> conditions. HI HI. Tony
> >
> > --- In mailto:ham-antennas%40yahoogroups.com, "VE3FMC" <ve3fmc@> wrote:
> > >
> > > OK here is a simple question and we'll see who gets the answer correct
> first.
> > >
> > > This morning my 80 Meter dipole was resonate at 3.755. Now it is
> resonate at 3.650.
> > >
> > > My 40 meter dipole was resonate at 7.150. Now it is resonate at 7.040.
> > >
> > > What changed the points of resonance on those two dipoles?
> > >
> > > Ok let's see who gets it right the first time around. Of course the
> person who posts the correct answer will be the winner. No one can copy that
> answer :)
> > >
> > > 73 Rick VE3FMC
> > >
> >
> >
> >
> >

> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

21736. Re: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 16:32:52 UTC
From: kb7gl
Topic: 21673 Message: 21736

I think the term originated with the long-wire end-fed antennas reeled out of the old Zeplins, and later, airplanes. I recall seeing those same HF antennas in the C-119 "Flying Boxcar". They left several weights hanging on fences just off some airports, when the line was neglected to be reeled-in prior to landing!

I've also enjoyed this discussion string -- I'm going to experiment with the ZS6BKW variant vs. a 130 ft dipole with ladder line direct to my balanced tuner, to see which performs best. If the ZS6BKW performs as well, it eliminates more than just some minor tweaking of the tuner on most bands. (The ZS6BKW is similar to a G5RV, only shorter and with SWR "dips" at the majority of amateur bands.)

Vic, KB7GL

--- In ham-antennas@yahoogroups.com, "siegfried jackstien" <siegfried.jackstien@...> wrote:
>
> Zepp = endfed dipole fed via quarterwave ladderline transformer
> Double zepp = similar to doublet
> Dg9bfc
> Sigi
>

21737. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 16:48:54 UTC
From: dean
Topic: 21717 Message: 21737

Well like I told my nephew and his parents that I have a lot of modern gear and I'm happy to share with him. My thought is get them interested and then keep helping them out. If not a problem loan them one of the older VHF,UHF radios till they can buy their own.

I'm willing to put a bit of my money in cheap radios to help out new hams. We can't get new people as we do not try enough. I don't care what the other guy does but I do try to tell everyone about ham radio. Like my mobile contact on 20 M just south of Salem, OR. Get with a Boy Scout leader to teach radio to the scouts so they can get their amateur radio merit badge.

Another thing is have the club set up a radio booth at your local fair. Let people know that when the cell tower goes down ham radios will still be here on a lot of frequencies. Maybe young people would like to get involved with AREA/RACES.

My Niece told me nobody wants to sit next to my nephew as all he talks about in school is ham radio. Maybe he can get one person involved in the hobby.

sorry for the rant

73, WY6L

-----Original Message-----
From: Ernie Rice
Sent: Thursday, December 29, 2011 8:31 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down" "code info"

Ham radio is a dieing entity! Look at the average age of ham radio operators. We can't get new people because of the following reasons
1) No one wants to help them get started
2) Cost of good gear
3) cell phones
4) video games
5) No one will help them (o wait i said that)
Just one persons view

Ernie

On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@...> wrote:

> **
>
>
> I have a Great Nephew studying for his test. I told him if he could learn

> code then he can get on 15, 40 and 80 meters and it won’t wake his parents
> if he’s doing it late at night. I think code is great and if I could learn
> it I’d be on the air with it only.
>
> The last time I tried code I’d say the ditty ditty dah dah’s out loud till
> the wife told me to shut up. When the tape went into a fast flurry of code
> I was totally lost. So I don’t know code.
>
> I might give your way a try there Ken. It would be cool when the wife
> drives I can send and receive code from the car while she listens to her
> talk radio.
>
> 73, WY6L
>
> From: Ken
> Sent: Thursday, December 29, 2011 5:20 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
> On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
>
> > 4) Set the learning charture speed at 18wpm so each letter is a sound
>
> I believe that different things work for different people.
>
> However, I highly recommend AGAINST the idea of learning with fast letters
> and wide spacing. Too many people are learning that way and never learn
> proper spacing and send really, really horrible CW. They can't send CW
> worth a darn!
>
> What worked for me: no machines, no tapes (I tried that and failed). I
> just mentally repeated to myself "di dah A di dah A" many times until I
> started thinking "A" automatically when I heard "di dah". Then another
> random letter from the alphabet, maybe "di dah di R", repeated many, many
> times. Again, that's what worked for me. Other approaches work for other
> people.
>
> But please, let's stay away from this characters at 18 wpm with spacing to
> bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> characters with spacing for 12 or 15 wpm. Please, no!
>
> Maybe they have done us a disservice by discontinuing the novice bands. It
> used to be that one knew where to find stations using slow CW: the 50 kHz
> in the novice bands. Perhaps the ARRL and other organizations need to
> jointly recommend frequencies in each band for slow speed operation.
>
> 73,
> Ken WA8JXM
>
> [Non-text portions of this message have been removed]

>
> [Non-text portions of this message have been removed]
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21738. Moderator (: [ham-antennas] Re: "dumming down" "code info")

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 16:58:23 UTC
From: Artekmedia
Topic: 21717 Message: 21738

I think the moderator asked to kill this thread and take it over to "my
ham radio soap box group" this has NOTHING to do with ANTENNAS

MODERATOR HELP !!!!!!!!!!

73 Dave
NR1DX

On 12/29/2011 10:48 AM, dean wrote:
>
> Well like I told my nephew and his parents that I have a lot of modern
> gear
> and I'm happy to share with him. My thought is get them interested and
> then
> keep helping them out. If not a problem loan them one of the older
> VHF,UHF
> radios till they can buy their own.
>
> I'm willing to put a bit of my money in cheap radios to help out new
> hams.
> We can't get new people as we do not try enough. I don't care what the
> other guy does but I do try to tell everyone about ham radio. Like my
> mobile contact on 20 M just south of Salem, OR. Get with a Boy Scout
> leader
> to teach radio to the scouts so they can get their amateur radio merit
> badge.
>
> Another thing is have the club set up a radio booth at your local
> fair. Let
> people know that when the cell tower goes down ham radios will still
> be here
> on a lot of frequencies. Maybe young people would like to get involved
> with
> AREA/RACES.
>
> My Niece told me nobody wants to sit next to my nephew as all he talks
> about
> in school is ham radio. Maybe he can get one person involved in the hobby.
>
> sorry for the rant
>
> 73, WY6L
>
> -----Original Message-----
> From: Ernie Rice
> Sent: Thursday, December 29, 2011 8:31 AM

> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
> Ham radio is a dieing entity! Look at the average age of ham radio
> operators. We can't get new people because of the following reasons
> 1) No one wants to help them get started
> 2) Cost of good gear
> 3) cell phones
> 4) video games
> 5) No one will help them (o wait i said that)
> Just one persons view
>
> Ernie
>
> On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@sti.net
> <mailto:deanf%40sti.net>> wrote:
>
> > **
> >
> >
> > I have a Great Nephew studying for his test. I told him if he could
> learn
> > code then he can get on 15, 40 and 80 meters and it wonâEUR^(TM)t
> wake his parents
> > if heâEUR^(TM)s doing it late at night. I think code is great and if
> I could learn
> > it IâEUR^(TM)d be on the air with it only.
> >
> > The last time I tried code IâEUR^(TM)d say the ditty ditty dah
> dahâEUR^(TM)s out loud till
> > the wife told me to shut up. When the tape went into a fast flurry
> of code
> > I was totally lost. So I donâEUR^(TM)t know code.
> >
> > I might give your way a try there Ken. It would be cool when the wife
> > drives I can send and receive code from the car while she listens to her
> > talk radio.
> >
> > 73, WY6L
> >
> > From: Ken
> > Sent: Thursday, December 29, 2011 5:20 AM
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
> >
> > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
> >
> > > 4) Set the learning charture speed at 18wpm so each letter is a sound
> >
> > I believe that different things work for different people.

> >
> > However, I highly recommend AGAINST the idea of learning with fast
> letters
> > and wide spacing. Too many people are learning that way and never learn
> > proper spacing and send really, really horrible CW. They can't send CW
> > worth a darn!
> >
> > What worked for me: no machines, no tapes (I tried that and failed). I
> > just mentally repeated to myself "di dah A di dah A" many times until I
> > started thinking "A" automatically when I heard "di dah". Then another
> > random letter from the alphabet, maybe "di dah di R", repeated many,
> many
> > times. Again, that's what worked for me. Other approaches work for other
> > people.
> >
> > But please, let's stay away from this characters at 18 wpm with
> spacing to
> > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> > characters with spacing for 12 or 15 wpm. Please, no!
> >
> > Maybe they have done us a disservice by discontinuing the novice
> bands. It
> > used to be that one knew where to find stations using slow CW: the
> 50 kHz
> > in the novice bands. Perhaps the ARRL and other organizations need to
> > jointly recommend frequencies in each band for slow speed operation.
> >
> > 73,
> > Ken WA8JXM
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
>
> --
> Remember that when you think you have it all figured out... you wake up to
> start all over again!
> Trust yourself and MOST times you will not be disappointed
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be

> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>

--
Dave& Lynn Henderson
Manuals@ArtekMedia.com
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21739. Re: G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 17:47:31 UTC
From: Paul
Topic: 21673 Message: 21739

You have it backwards...

All center-fed dipole are doublets...

Not all doublets are dipoles...

A dipole, by definition, is EXACTLY 1/2 wavelength long.

Paul - K9ERG

--- In ham-antennas@yahoogroups.com, "siegfried jackstien" <siegfried.jackstien@...>
wrote:
>
> Wrong
> Every doublet is a dipole ... but not all dipoles are doublets
> Dg9bfc
> Sigi
>
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von Larry Tooley
> > Gesendet: Donnerstag, 29. Dezember 2011 07:40
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.
> >
> >
> >
> > EEEEEeks! The drawing failed. My version of the doublet was supposed to
> > show a regular center fed half wave dipole, only two parallel lines form
> > each 1/4 wave side. This makes it broad-band. Is my thinking correct?
> >
> > ----- Original Message -----
> > From: Larry Tooley
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Thursday, December 29, 2011 1:26 AM
> > Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.
> >
> > I always thought a doublet was a half-wave dipole that could be center fed
> > with coax. Each side of the dipole had at least two wires in parallel to
> > make it broad-banded.
> > __________ _____________
> > / \ /
> > \
> > / \ /
> > \

> > = = =
> > =
> > \ / | | \
> > /
> > __________/ | | _____________/
> > | |
> > | |
> > ----- Original Mesage -----
> > From: Ron Youvan
> > To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> > Sent: Wednesday, December 28, 2011 8:39 AM
> > Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.
> >
> > Ken WA8JXM wrote:
> >
> > > BTW, you use the term "doublet". I'm not sure what exactly a "doublet"
> > is since the term is not
> > > defined in any of my ARRL Handbooks or Antenna Books and Bill Orr
> > doesn't even use the term. Decades
> > > ago, I used to think it was a folded dipole but I have nothing to
> > support that old assumption. I'm
> > > guessing that a "doublet" is just a fancy (and confusing) term for a
> > plain old dipole.
> >
> > A "doublet" is an OLD name for a center fed dipole.
> > Dipoles can be fed anywhere, "doublets" are only fed in the center.
> > "Dipole" means both poles of the "wave" (a cycle) are on the conductor at
> > the same time.
> > --
> > Ron KA4INM - Did you know ...
> > ... that no-one ever reads these things?
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>

21740. Re: [ham-antennas] Re: "dumming down" "code info "

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 18:00:49 UTC
From: Robert Costa, KB6QXM
Topic: 21740 Message: 21740

The reasons why the young do not want to get involved in ham radio is more than the list of an earlier poster. One of the reasons in addition to other technology taking the place of ham radio is the present generation is an entitlement generation. They do not want to work for anything, they expect it to be given to them.

Young kids look up to gangster rappers, sport figures and movie stars. When was the last time you heard a 16 year old say that they want to be the next Albert Eienstein. Never. The priorities of the up and coming generation in western society is not on math and science.

This is the reason why many countries have to import their intellectual workforce.

We have taken down most of the roadblocks in ham radio testing and young people still do not embrace it. The only swelling of the ham ranks are the people on the sidelines who stayed out of the hobby as they did not want to put in the work to learn the code or study the extensive theory in the past. Look at the demographic of the new hams.

Now what do we have, a bunch of bands that are filled up by contesters pushed by the ARRL to make the bands seem full so that the frequencies seem utilized so that the commercial or military do not take the spectrum. We have some new operators who have terrible operating practices and bring in their operating practices from CB radio.

Yes, we have received some good new hams since the lowering of the license standards.

The thing that scares me is that if you were known to be a ham radio operator 20-30 years ago, you were given a bit of respect even in professional circles, as it was known that if you were a ham, you were known to be technical.

Recently I was at my local ham club meeting when a licensed ham asked what a repeater was.

The hobby is changing. In my opinion less challenging to become a ham and therefore some much less technical hams. Yes, it is a hobby, but as you lower the standards for anything, you get less qualified people into that human endevour.

Submitted as my personal opinion and through quantative analysis.

Before flaming on my comments. Do your own analysis and draw your own conclusions.

73,
Robert
KB6QXM
"Ham Radio is for people that have copious spare time"

----- Reply message -----
From: "dean" <deanf@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: "dumming down" "code info"
Date: Thu, Dec 29, 2011 8:48 am
Well like I told my nephew and his parents that I have a lot of modern gear

and I'm happy to share with him. My thought is get them interested and then keep helping them out. If not a problem loan them one of the older VHF,UHF radios till they can buy their own.

I'm willing to put a bit of my money in cheap radios to help out new hams. We can't get new people as we do not try enough. I don't care what the other guy does but I do try to tell everyone about ham radio. Like my mobile contact on 20 M just south of Salem, OR. Get with a Boy Scout leader to teach radio to the scouts so they can get their amateur radio merit badge.

Another thing is have the club set up a radio booth at your local fair. Let people know that when the cell tower goes down ham radios will still be here on a lot of frequencies. Maybe young people would like to get involved with AREA/RACES.

My Niece told me nobody wants to sit next to my nephew as all he talks about in school is ham radio. Maybe he can get one person involved in the hobby.

sorry for the rant

73, WY6L

-----Original Message-----

From: Ernie Rice

Sent: Thursday, December 29, 2011 8:31 AM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] Re: "dumming down" "code info"

Ham radio is a dieing entity! Look at the average age of ham radio operators. We can't get new people because of the following reasons

1) No one wants to help them get started

2) Cost of good gear

3) cell phones

4) video games

5) No one will help them (o wait i said that)

Just one persons view

Ernie

On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@...> wrote:

> **

>

>

> I have a Great Nephew studying for his test. I told him if he could learn

> code then he can get on 15, 40 and 80 meters and it won't wake his parents

> if he's doing it late at night. I think code is great and if I could learn

> it I'd be on the air with it only.

>

> The last time I tried code I'd say the ditty ditty dah dah's out loud till

> the wife told me to shut up. When the tape went into a fast flurry of code

> I was totally lost. So I don't know code.

>

> I might give your way a try there Ken. It would be cool when the wife

> drives I can send and receive code from the car while she listens to her

> talk radio.

>

> 73, WY6L

>

> From: Ken

> Sent: Thursday, December 29, 2011 5:20 AM

> To: ham-antennas@yahoogroups.com

> Subject: Re: [ham-antennas] Re: "dumming down" "code info"

>

> On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:

>

> > 4) Set the learning charture speed at 18wpm so each letter is a sound

>

> I believe that different things work for different people.

>

> However, I highly recommend AGAINST the idea of learning with fast letters
> and wide spacing. Too many people are learning that way and never learn
> proper spacing and send really, really horrible CW. They can't send CW
> worth a darn!

>

> What worked for me: no machines, no tapes (I tried that and failed). I
> just mentally repeated to myself "di dah A di dah A" many times until I
> started thinking "A" automatically when I heard "di dah". Then another
> random letter from the alphabet, maybe "di dah di R", repeated many, many
> times. Again, that's what worked for me. Other approaches work for other
> people.

>

> But please, let's stay away from this characters at 18 wpm with spacing to
> bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> characters with spacing for 12 or 15 wpm. Please, no!

>

> Maybe they have done us a disservice by discontinuing the novice bands. It
> used to be that one knew where to find stations using slow CW: the 50 kHz
> in the novice bands. Perhaps the ARRL and other organizations need to
> jointly recommend frequencies in each band for slow speed operation.

>

> 73,
> Ken WA8JXM

>

> [Non-text portions of this message have been removed]

>

> [Non-text portions of this message have been removed]

>

>

>

--

Remember that when you think you have it all figured out... you wake up to

start all over again!

Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go

to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.

Any statements in ANY post that may be construed as inflamatory MAY be cause

for suspension. Moderators WILL have final say in these matters.

Post message: ham-antennas@yahoogroups.com

Subscribe: ham-antennas-subscribe@yahoogroups.com

Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com

Yahoo! Groups Links

[Non-text portions of this message have been removed]

21741. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 18:13:47 UTC
From: Ralph
Topic: 21740 Message: 21741

I am a new HAM since 2008 and upgraded to General in 2010. Proud of it and because of HAM, I have been involved with Emergency Preparedness. During most of these events, I have been getting people interested by demonstrating it's importance. Been lucky so far. Have seem a tremendous growth in Hawaii of upcoming HAM operators in the Hospitals. Never had the privilege to learn code and that is one of the things I would like to do. In Hawaii, you need at least two jobs just to keep up with the basics for rent. But I will still be a HAM. Had a Stroke earlier this month and just slowed down a bit but will not stop. Our club now has at least 4 young people with at least Techniclal. I believe that is a good start.
v/r
Ralph WH7PD

--- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:
>
> The reasons why the young do not want to get involved in ham radio is more than the list of an earlier poster. One of the reasons in addition to other technology taking the place of ham radio is the present generation is an entitlement generation. They do not want to work for anything, they expect it to be given to them.
>
> Young kids look up to gangster rappers, sport figures and movie stars. When was the last time you heard a 16 year old say that they want to be the next Albert Eienstein. Never. The priorities of the up and coming generation in western society is not on math and science.
>
> This is the reason why many countries have to import their intellectual workforce.
>
> We have taken down most of the roadblocks in ham radio testing and young people still do not embrace it. The only swelling of the ham ranks are the people on the sidelines who stayed out of the hobby as they did not want to put in the work to learn the code or study the extensive theory in the past. Look at the demographic of the new hams.
>
> Now what do we have, a bunch of bands that are filled up by contesters pushed by the ARRL to make the bands seem full so that the frequencies seem utilized so that the commercial or military do not take the spectrum. We have some new operators who have terrible operating practices and bring in their operating practices from CB radio.
>
> Yes, we have received some good new hams since the lowering of the license standards.
>
> The thing that scares me is that if you were known to be a ham radio operator 20-30 years ago, you were given a bit of respect even in professional circles, as it was known that if you were a ham, you were known to be technical.
>
> Recently I was at my local ham club meeting when a licensed ham asked what a repeater was.
>
> The hobby is changing. In my opinion less challenging to become a ham and therefore some much less technical hams. Yes, it is a hobby, but as you lower the standards for anything, you get less qualified people into that human endevour.
>
> Submitted as my personal opinion and through quantative analysis.
>

> Before flaming on my comments. Do your own analysis and draw your own conclusions.
>
> 73,
> Robert
> KB6QXM
> "Ham Radio is for people that have copious spare time"
>
> ----- Reply message -----
> From: "dean" <deanf@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Re: "dumming down" "code info"
> Date: Thu, Dec 29, 2011 8:48 am
> Well like I told my nephew and his parents that I have a lot of modern gear
>
> and I'm happy to share with him. My thought is get them interested and then
>
> keep helping them out. If not a problem loan them one of the older VHF,UHF
>
> radios till they can buy their own.
>
>
>
> I'm willing to put a bit of my money in cheap radios to help out new hams.
>
> We can't get new people as we do not try enough. I don't care what the
>
> other guy does but I do try to tell everyone about ham radio. Like my
>
> mobile contact on 20 M just south of Salem, OR. Get with a Boy Scout leader
>
> to teach radio to the scouts so they can get their amateur radio merit
>
> badge.
>
>
>
> Another thing is have the club set up a radio booth at your local fair. Let
>
> people know that when the cell tower goes down ham radios will still be here
>
> on a lot of frequencies. Maybe young people would like to get involved with
>
> AREA/RACES.
>
>
>
> My Niece told me nobody wants to sit next to my nephew as all he talks about
>
> in school is ham radio. Maybe he can get one person involved in the hobby.

>
>
>
> sorry for the rant
>
>
>
> 73, WY6L
>
>
>
> -----Original Message-----
>
> From: Ernie Rice
>
> Sent: Thursday, December 29, 2011 8:31 AM
>
> To: ham-antennas@yahoogroups.com
>
> Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
>
>
> Ham radio is a dieing entity! Look at the average age of ham radio
>
> operators. We can't get new people because of the following reasons
>
> 1) No one wants to help them get started
>
> 2) Cost of good gear
>
> 3) cell phones
>
> 4) video games
>
> 5) No one will help them (o wait i said that)
>
> Just one persons view
>
>
>
> Ernie
>
>
>
> On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@...> wrote:
>
>
>

> > **
>
> >
>
> >
>
> > I have a Great Nephew studying for his test. I told him if he could learn
>
> > code then he can get on 15, 40 and 80 meters and it wonâ□□t wake his parents
>
> > if heâ□□s doing it late at night. I think code is great and if I could learn
>
> > it Iâ□□d be on the air with it only.
>
> >
>
> > The last time I tried code Iâ□□d say the ditty ditty dah dahâ□□s out loud till
>
> > the wife told me to shut up. When the tape went into a fast flurry of code
>
> > I was totally lost. So I donâ□□t know code.
>
> >
>
> > I might give your way a try there Ken. It would be cool when the wife
>
> > drives I can send and receive code from the car while she listens to her
>
> > talk radio.
>
> >
>
> > 73, WY6L
>
> >
>
> > From: Ken
>
> > Sent: Thursday, December 29, 2011 5:20 AM
>
> > To: ham-antennas@yahoogroups.com
>
> > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
> >
>
> > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
>
> >

>
> > > 4) Set the learning charture speed at 18wpm so each letter is a sound
>
> >
>
> > I believe that different things work for different people.
>
> >
>
> > However, I highly recommend AGAINST the idea of learning with fast letters
>
> > and wide spacing. Too many people are learning that way and never learn
>
> > proper spacing and send really, really horrible CW. They can't send CW
>
> > worth a darn!
>
> >
>
> > What worked for me: no machines, no tapes (I tried that and failed). I
>
> > just mentally repeated to myself "di dah A di dah A" many times until I
>
> > started thinking "A" automatically when I heard "di dah". Then another
>
> > random letter from the alphabet, maybe "di dah di R", repeated many, many
>
> > times. Again, that's what worked for me. Other approaches work for other
>
> > people.
>
> >
>
> > But please, let's stay away from this characters at 18 wpm with spacing to
>
> > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
>
> > characters with spacing for 12 or 15 wpm. Please, no!
>
> >
>
> > Maybe they have done us a disservice by discontinuing the novice bands. It
>
> > used to be that one knew where to find stations using slow CW: the 50 kHz
>
> > in the novice bands. Perhaps the ARRL and other organizations need to
>
> > jointly recommend frequencies in each band for slow speed operation.
>

> >
>
> > 73,
>
> > Ken WA8JXM
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
> >
>
> >
>
> >
>
>
>
> --
>
> Remember that when you think you have it all figured out... you wake up to
>
> start all over again!
>
> Trust yourself and MOST times you will not be disappointed
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
>
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
>
> Any statements in ANY post that may be construed as inflamatory MAY be cause
>
> for suspension. Moderators WILL have final say in these matters.
>
> Post message: ham-antennas@yahoogroups.com

>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>
> List owner: ham-antennas-owner@yahoogroups.com
>
> Yahoo! Groups Links
>
>
>
>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21742. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 18:19:35 UTC
From: urei
Topic: 21717 Message: 21742

Ernie,
You are certainly entitled to your opinion, factual or otherwise.
Fact is, the number of hams in the US has been increasing. I don't think that's a sign of a dying entity. The age of operators is, in my opinion, irrelevant. We've always been a bunch of old fuds no matter what ages we are.
I don't think "nobody wants to help them get started". I think there are not enough Elmers out here. Remember, though, we're ALL Elmers at least potentially. If you wish to preserve your beloved hobby, get out there and do it. You don't like "appliance operators"? It's uo to YOU to teach them so they'll know what they're doing.
The cost of "good gear" is another matter. We all know you can put a perfectly viable station on the air for next to nothing. If you're focused on keeping up with the Joneses, it'll cost you some money.
We have to set a good example for prospective and new ops. We need to emphasize that you don't need a KW to ragchew 300 miles on 75 meters. A well-operated FT-101 is indistinguishable from an FT-2000 on the receiving end and costs a lot less.
As for cell phones and video gear, I have both and they don't stop me from operating. I elmered a "gamer" a few years ago and he's now immersed in hamming. He operates more than I do! CW too.
I think a lot of old-timers need to change their attitudes about the FNG's to make ham radio more welcoming to them.
That's MY opinion! 73

--- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
>
> Ham radio is a dieing entity! Look at the average age of ham radio
> operators. We can't get new people because of the following reasons
> 1) No one wants to help them get started
> 2) Cost of good gear
> 3) cell phones
> 4) video games
> 5) No one will help them (o wait i said that)
> Just one persons view
>
> Ernie
>
> On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@...> wrote:
>
> > **
> > >
> > >
> > > I have a Great Nephew studying for his test. I told him if he could learn
> > > code then he can get on 15, 40 and 80 meters and it won't wake his parents
> > > if he's doing it late at night. I think code is great and if I could learn
> > > it I'd be on the air with it only.
> > >

> > The last time I tried code I'd say the ditty ditty dah dah's out loud till
> > the wife told me to shut up. When the tape went into a fast flurry of code
> > I was totally lost. So I don't know code.
> >
> > I might give your way a try there Ken. It would be cool when the wife
> > drives I can send and receive code from the car while she listens to her
> > talk radio.
> >
> > 73, WY6L
> >
> > From: Ken
> > Sent: Thursday, December 29, 2011 5:20 AM
> > To: ham-antennas@yahoogroups.com
> > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
> >
> > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
> >
> > > 4) Set the learning charture speed at 18wpm so each letter is a sound
> >
> > I believe that different things work for different people.
> >
> > However, I highly recommend AGAINST the idea of learning with fast letters
> > and wide spacing. Too many people are learning that way and never learn
> > proper spacing and send really, really horrible CW. They can't send CW
> > worth a darn!
> >
> > What worked for me: no machines, no tapes (I tried that and failed). I
> > just mentally repeated to myself "di dah A di dah A" many times until I
> > started thinking "A" automatically when I heard "di dah". Then another
> > random letter from the alphabet, maybe "di dah di R", repeated many, many
> > times. Again, that's what worked for me. Other approaches work for other
> > people.
> >
> > But please, let's stay away from this characters at 18 wpm with spacing to
> > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> > characters with spacing for 12 or 15 wpm. Please, no!
> >
> > Maybe they have done us a disservice by discontinuing the novice bands. It
> > used to be that one knew where to find stations using slow CW: the 50 kHz
> > in the novice bands. Perhaps the ARRL and other organizations need to
> > jointly recommend frequencies in each band for slow speed operation.
> >
> > 73,
> > Ken WA8JXM
> >
> > [Non-text portions of this message have been removed]
> >
> > [Non-text portions of this message have been removed]
> >
> >

> >
>
>
>
> --
> Remember that when you think you have it all figured out... you wake up to
> start all over again!
> Trust yourself and MOST times you will not be disappointed
>
>
> [Non-text portions of this message have been removed]
>

21743. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 18:24:09 UTC
From: Ernie Rice
Topic: 21717 Message: 21743

Back up your facts with number! I don't see it!

Ernie

On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@...> wrote:

> **
>
>
> Ernie,
> You are certainly entitled to your opinion, factual or otherwise.
> Fact is, the number of hams in the US has been increasing. I don't think
> that's a sign of a dying entity. The age of operators is, in my opinion,
> irrelevant. We've always been a bunch of old fuds no matter what ages we
> are.
> I don't think "nobody wants to help them get started". I think there are
> not enough Elmers out here. Remember, though, we're ALL Elmers at least
> potentially. If you wish to preserve your beloved hobby, get out there and
> do it. You don't like "appliance operators"? It's uo to YOU to teach them
> so they'll know what they're doing.
> The cost of "good gear" is another matter. We all know you can put a
> perfectly viable station on the air for next to nothing. If you're focused
> on keeping up with the Joneses, it'll cost you some money.
> We have to set a good example for prospective and new ops. We need to
> emphasize that you don't need a KW to ragchew 300 miles on 75 meters. A
> well-operated FT-101 is indistinguishable from an FT-2000 on the receiving
> end and costs a lot less.
> As for cell phones and video gear, I have both and they don't stop me from
> operating. I elmered a "gamer" a few years ago and he's now immersed in
> hamming. He operates more than I do! CW too.
> I think a lot of old-timers need to change their attitudes about the FNG's
> to make ham radio more welcoming to them.
> That's MY opinion! 73
>
>
> --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
> >
> > Ham radio is a dieing entity! Look at the average age of ham radio
> > operators. We can't get new people because of the following reasons
> > 1) No one wants to help them get started
> > 2) Cost of good gear
> > 3) cell phones
> > 4) video games
> > 5) No one will help them (o wait i said that)
> > Just one persons view
> >

> > Ernie
> >
> > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@...> wrote:
> >
> > > **
> > >
> > >
> > > I have a Great Nephew studying for his test. I told him if he could
> learn
> > > code then he can get on 15, 40 and 80 meters and it won't wake his
> parents
> > > if he's doing it late at night. I think code is great and if I could
> learn
> > > it I'd be on the air with it only.
> > >
> > > The last time I tried code I'd say the ditty ditty dah dah's out loud
> till
> > > the wife told me to shut up. When the tape went into a fast flurry of
> code
> > > I was totally lost. So I don't know code.
> > >
> > > I might give your way a try there Ken. It would be cool when the wife
> > > drives I can send and receive code from the car while she listens to
> her
> > > talk radio.
> > >
> > > 73, WY6L
> > >
> > > From: Ken
> > > Sent: Thursday, December 29, 2011 5:20 AM
> > > To: ham-antennas@yahoogroups.com
> > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
> > >
> > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
> > >
> > > > 4) Set the learning charture speed at 18wpm so each letter is a sound
> > >
> > > I believe that different things work for different people.
> > >
> > > However, I highly recommend AGAINST the idea of learning with fast
> letters
> > > and wide spacing. Too many people are learning that way and never learn
> > > proper spacing and send really, really horrible CW. They can't send CW
> > > worth a darn!
> > >
> > > What worked for me: no machines, no tapes (I tried that and failed). I
> > > just mentally repeated to myself "di dah A di dah A" many times until I
> > > started thinking "A" automatically when I heard "di dah". Then another
> > > random letter from the alphabet, maybe "di dah di R", repeated many,
> many

> > > times. Again, that's what worked for me. Other approaches work for
> other
> > > people.
> > >
> > > But please, let's stay away from this characters at 18 wpm with
> spacing to
> > > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> > > characters with spacing for 12 or 15 wpm. Please, no!
> > >
> > > Maybe they have done us a disservice by discontinuing the novice
> bands. It
> > > used to be that one knew where to find stations using slow CW: the 50
> kHz
> > > in the novice bands. Perhaps the ARRL and other organizations need to
> > > jointly recommend frequencies in each band for slow speed operation.
> > >
> > > 73,
> > > Ken WA8JXM
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > > [Non-text portions of this message have been removed]
> > >
> > >
> > >
> >
> >
> >
> > --
> > Remember that when you think you have it all figured out... you wake up
> to
> > start all over again!
> > Trust yourself and MOST times you will not be disappointed
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21744. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 18:32:21 UTC
From: kb7gl
Topic: 21717 Message: 21744

As Dave said earlier, what does this have to do with antennas? QRZ's Discussions, Opinions & Editorials works well for this. Food fights do not belong here...

Vic, KB7GL

--- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
>
> Back up your facts with number! I don't see it!
>
> Ernie
>
> On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@...> wrote:
>

21745. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 18:44:22 UTC
From: urei
Topic: 21717 Message: 21745

OK. Here ya go:

Is ham radio growing?

Look at the numbers!

At the end of 2010 there were 696,041 Amateur Radio licensees in the USA.

Here are the past totals for the USA:

2010 □ 696,041

2009 - 682,497

2008 - 663,564

2007 - 655,842

2006 - 656,068

2005 - 662,600

Also important...

Higher percentages of Amateur Radio licensees are going far beyond the initial Technician Class license and earning General or even Amateur Extra Class licenses.

The numbers were steadily declining until '07 when the code requirement was dropped. These figures are from the ARRL.

--- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
>
> Back up your facts with number! I don't see it!
>
> Ernie
>
> On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@...> wrote:
>
> > **
> > >
> > >
> > Ernie,
> > You are certainly entitled to your opinion, factual or otherwise.
> > Fact is, the number of hams in the US has been increasing. I don't think
> > that's a sign of a dying entity. The age of operators is, in my opinion,
> > irrelevant. We've always been a bunch of old fuds no matter what ages we
> > are.
> > I don't think "nobody wants to help them get started". I think there are

> > not enough Elmers out here. Remember, though, we're ALL Elmers at least
> > potentially. If you wish to preserve your beloved hobby, get out there and
> > do it. You don't like "appliance operators"? It's uo to YOU to teach them
> > so they'll know what they're doing.
> > The cost of "good gear" is another matter. We all know you can put a
> > perfectly viable station on the air for next to nothing. If you're focused
> > on keeping up with the Joneses, it'll cost you some money.
> > We have to set a good example for prospective and new ops. We need to
> > emphasize that you don't need a KW to ragchew 300 miles on 75 meters. A
> > well-operated FT-101 is indistinguishable from an FT-2000 on the receiving
> > end and costs a lot less.
> > As for cell phones and video gear, I have both and they don't stop me from
> > operating. I elmered a "gamer" a few years ago and he's now immersed in
> > hamming. He operates more than I do! CW too.
> > I think a lot of old-timers need to change their attitudes about the FNG's
> > to make ham radio more welcoming to them.
> > That's MY opinion! 73
> >
> >
> > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
> > >
> > > Ham radio is a dieing entity! Look at the average age of ham radio
> > > operators. We can't get new people because of the following reasons
> > > 1) No one wants to help them get started
> > > 2) Cost of good gear
> > > 3) cell phones
> > > 4) video games
> > > 5) No one will help them (o wait i said that)
> > > Just one persons view
> > >
> > > Ernie
> > >
> > > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@> wrote:
> > >
> > > > **
> > > >
> > > >
> > > > I have a Great Nephew studying for his test. I told him if he could
> > learn
> > > > code then he can get on 15, 40 and 80 meters and it won't wake his
> > parents
> > > > if he's doing it late at night. I think code is great and if I could
> > learn
> > > > it I'd be on the air with it only.
> > > >
> > > > The last time I tried code I'd say the ditty ditty dah dah's out loud
> > till
> > > > the wife told me to shut up. When the tape went into a fast flurry of
> > code
> > > > I was totally lost. So I don't know code.

> > > >
> > > > I might give your way a try there Ken. It would be cool when the wife
> > > > drives I can send and receive code from the car while she listens to
> > her
> > > > talk radio.
> > > > >
> > > > > 73, WY6L
> > > > >
> > > > > From: Ken
> > > > > Sent: Thursday, December 29, 2011 5:20 AM
> > > > > To: ham-antennas@yahoogroups.com
> > > > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
> > > > >
> > > > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
> > > > >
> > > > > > 4) Set the learning charture speed at 18wpm so each letter is a sound
> > > > >
> > > > > I believe that different things work for different people.
> > > > >
> > > > > However, I highly recommend AGAINST the idea of learning with fast
> > letters
> > > > > and wide spacing. Too many people are learning that way and never learn
> > > > > proper spacing and send really, really horrible CW. They can't send CW
> > > > > worth a darn!
> > > > >
> > > > > What worked for me: no machines, no tapes (I tried that and failed). I
> > > > > just mentally repeated to myself "di dah A di dah A" many times until I
> > > > > started thinking "A" automatically when I heard "di dah". Then another
> > > > > random letter from the alphabet, maybe "di dah di R", repeated many,
> > many
> > > > > times. Again, that's what worked for me. Other approaches work for
> > other
> > > > > people.
> > > > >
> > > > > But please, let's stay away from this characters at 18 wpm with
> > spacing to
> > > > > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> > > > > characters with spacing for 12 or 15 wpm. Please, no!
> > > > >
> > > > > Maybe they have done us a disservice by discontinuing the novice
> > bands. It
> > > > > used to be that one knew where to find stations using slow CW: the 50
> > kHz
> > > > > in the novice bands. Perhaps the ARRL and other organizations need to
> > > > > jointly recommend frequencies in each band for slow speed operation.
> > > > >
> > > > > 73,
> > > > > Ken WA8JXM
> > > > >
> > > > > [Non-text portions of this message have been removed]

> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > > >
> > > >
> > >
> > >
> > >
> > > --
> > > Remember that when you think you have it all figured out... you wake up
> > to
> > > start all over again!
> > > Trust yourself and MOST times you will not be disappointed
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> >
> --
> Remember that when you think you have it all figured out... you wake up to
> start all over again!
> Trust yourself and MOST times you will not be disappointed
>
>
> [Non-text portions of this message have been removed]
>

21746. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 18:49:17 UTC
From: urei
Topic: 21717 Message: 21746

Where's the harm? What's your opinion Vic?
--- In ham-antennas@yahoogroups.com, "kb7gl" <vic.owen@...> wrote:
>
> As Dave said earlier, what does this have to do with antennas? QRZ's Discussions, Opinions & Editorials works well for this. Food fights do not belong here...
>
> Vic, KB7GL
>
> --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
> >
> > Back up your facts with number! I don't see it!
> >
> > Ernie
> >
> > On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@> wrote:
> >
>

21747. Re: [ham-antennas] Re: "dumming down" "code info "

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 18:59:07 UTC
From: Robert Costa, KB6QXM
Topic: 21740 Message: 21747

What do the numbers prove. You drop or lower the requirement for anything, the numbers will increase, as someone has less work to get the same operating privledges. Just wait till there is no test at all. The numbers will go through the roof, but then it will then it will just be another CB radio with more frequencies. I will sell my equipment at that time and spend more time in one of my other hobbies. The supporters of the lower test requirements have already impacted the hobby, if the no test supporters get their way, the hobby will have one less ham.

73,io
Robert
KB6QXM
"Ham Radio is for people that have copious s pare time"

----- Reply message -----
From: "urei" <ureii@...>
To: <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Re: "dumming down" "code info"
Date: Thu, Dec 29, 2011 10:44 am
OK. Here ya go:

Is ham radio growing?

Look at the numbers!

At the end of 2010 there were 696,041 Amateur Radio licensees in the USA.

Here are the past totals for the USA:

2010 ☐ 696,041

2009 - 682,497

2008 - 663,564

2007 - 655,842

2006 - 656,068

2005 - 662,600

Also important...

Higher percentages of Amateur Radio licensees are going far beyond the initial Technician Class license and earning General or even Amateur Extra Class licenses.

The numbers were steadily declining until '07 when the code requirement was dropped.

These figures are from the ARRL.

--- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:

>

> Back up your facts with number! I don't see it!

>

> Ernie

>

> On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@...> wrote:

>

> > **

> >

> >

> > Ernie,

> > You are certainly entitled to your opinion, factual or otherwise.

> > Fact is, the number of hams in the US has been increasing. I don't think

> > that's a sign of a dying entity. The age of operators is, in my opinion,

> > irrelevant. We've always been a bunch of old fuds no matter what ages we

> > are.

> > I don't think "nobody wants to help them get started". I think there are

> > not enough Elmers out here. Remember, though, we're ALL Elmers at least

> > potentially. If you wish to preserve your beloved hobby, get out there and

> > do it. You don't like "appliance operators"? It's uo to YOU to teach them

> > so they'll know what they're doing.

> > The cost of "good gear" is another matter. We all know you can put a

> > perfectly viable station on the air for next to nothing. If you're focused

> > on keeping up with the Joneses, it'll cost you some money.

> > We have to set a good example for prospective and new ops. We need to

> > emphasize that you don't need a KW to ragchew 300 miles on 75 meters. A

> > well-operated FT-101 is indistinguishable from an FT-2000 on the receiving

> > end and costs a lot less.

> > As for cell phones and video gear, I have both and they don't stop me from

> > operating. I elmered a "gamer" a few years ago and he's now immersed in

> > hamming. He operates more than I do! CW too.

> > I think a lot of old-timers need to change their attitudes about the FNG's

> > to make ham radio more welcoming to them.

> > That's MY opinion! 73

> >

> >

> > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:

> > >

> > > Ham radio is a dieing entity! Look at the average age of ham radio

> > > operators. We can't get new people because of the following reasons

> > > 1) No one wants to help them get started

> > > 2) Cost of good gear

> > > 3) cell phones

> > > 4) video games

> > > 5) No one will help them (o wait i said that)

> > > Just one persons view

> > >

> > > Ernie

> > >

> > > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@> wrote:

> > >

> > > > **

> > > >

> > > >

> > > > I have a Great Nephew studying for his test. I told him if he could

> > learn

> > > > code then he can get on 15, 40 and 80 meters and it won't wake his

> > parents

> > > > if he's doing it late at night. I think code is great and if I could

> > learn

> > > > it I'd be on the air with it only.

> > > >

> > > > The last time I tried code I'd say the ditty ditty dah dah's out loud

> > till

> > > > the wife told me to shut up. When the tape went into a fast flurry of

> > code

> > > > I was totally lost. So I don't know code.

> > > >

> > > > I might give your way a try there Ken. It would be cool when the wife

> > > > drives I can send and receive code from the car while she listens to

> > her

> > > > talk radio.

> > > >

> > > > 73, WY6L

> > > >

> > > > From: Ken

> > > > Sent: Thursday, December 29, 2011 5:20 AM

> > > > To: ham-antennas@yahoogroups.com

> > > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"

> > > >

> > > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:

> > > >

> > > > > 4) Set the learning charture speed at 18wpm so each letter is a sound

> > > >

> > > > I believe that different things work for different people.

> > > >

> > > > However, I highly recommend AGAINST the idea of learning with fast
> > letters
> > > > > and wide spacing. Too many people are learning that way and never learn
> > > > > proper spacing and send really, really horrible CW. They can't send CW
> > > > > worth a darn!
> > > > >
> > > > > What worked for me: no machines, no tapes (I tried that and failed). I
> > > > > just mentally repeated to myself "di dah A di dah A" many times until I
> > > > > started thinking "A" automatically when I heard "di dah". Then another
> > > > > random letter from the alphabet, maybe "di dah di R", repeated many,
> > many
> > > > > times. Again, that's what worked for me. Other approaches work for
> > other
> > > > > people.
> > > > >
> > > > > But please, let's stay away from this characters at 18 wpm with
> > spacing to
> > > > > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> > > > > characters with spacing for 12 or 15 wpm. Please, no!
> > > > >
> > > > > Maybe they have done us a disservice by discontinuing the novice
> > bands. It
> > > > > used to be that one knew where to find stations using slow CW: the 50
> > kHz
> > > > > in the novice bands. Perhaps the ARRL and other organizations need to
> > > > > jointly recommend frequencies in each band for slow speed operation.
> > > > >
> > > > > 73,
> > > > > Ken WA8JXM

> > > >

> > > > [Non-text portions of this message have been removed]

> > > >

> > > > [Non-text portions of this message have been removed]

> > > >

> > > >

> > > >

> > >

> > >

> > >

> > > --

> > > Remember that when you think you have it all figured out... you wake up

> > to

> > > start all over again!

> > > Trust yourself and MOST times you will not be disappointed

> > >

> > >

> > > [Non-text portions of this message have been removed]

> > >

> >

> >

> >

>

>

>

> --

> Remember that when you think you have it all figured out... you wake up to

> start all over again!

> Trust yourself and MOST times you will not be disappointed

>

>

> [Non-text portions of this message have been removed]

>

[Non-text portions of this message have been removed]

21748. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:00:37 UTC
From: Ernie Rice
Topic: 21717 Message: 21748

Say the source of these numbers! I can make them look the other way!

On Thu, Dec 29, 2011 at 1:44 PM, urei <ureii@...> wrote:

> **
>
>
> OK. Here ya go:
>
> Is ham radio growing?
>
> Look at the numbers!
>
> At the end of 2010 there were 696,041 Amateur Radio licensees in the USA.
>
> Here are the past totals for the USA:
>
> 2010 ? 696,041
>
> 2009 - 682,497
>
> 2008 - 663,564
>
> 2007 - 655,842
>
> 2006 - 656,068
>
> 2005 - 662,600
>
> Also important...
>
> Higher percentages of Amateur Radio licensees are going far beyond the
> initial Technician Class license and earning General or even Amateur Extra
> Class licenses.
>
> The numbers were steadily declining until '07 when the code requirement
> was dropped.
> These figures are from the ARRL.
>
> --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
> >
> > Back up your facts with number! I don't see it!
> >
> > Ernie
> >

> > On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@...> wrote:
> >
> > > **
> > >
> > >
> > > Ernie,
> > > You are certainly entitled to your opinion, factual or otherwise.
> > > Fact is, the number of hams in the US has been increasing. I don't
> think
> > > that's a sign of a dying entity. The age of operators is, in my
> opinion,
> > > irrelevant. We've always been a bunch of old fuds no matter what ages
> we
> > > are.
> > > I don't think "nobody wants to help them get started". I think there
> are
> > > not enough Elmers out here. Remember, though, we're ALL Elmers at least
> > > potentially. If you wish to preserve your beloved hobby, get out there
> and
> > > do it. You don't like "appliance operators"? It's uo to YOU to teach
> them
> > > so they'll know what they're doing.
> > > The cost of "good gear" is another matter. We all know you can put a
> > > perfectly viable station on the air for next to nothing. If you're
> focused
> > > on keeping up with the Joneses, it'll cost you some money.
> > > We have to set a good example for prospective and new ops. We need to
> > > emphasize that you don't need a KW to ragchew 300 miles on 75 meters. A
> > > well-operated FT-101 is indistinguishable from an FT-2000 on the
> receiving
> > > end and costs a lot less.
> > > As for cell phones and video gear, I have both and they don't stop me
> from
> > > operating. I elmered a "gamer" a few years ago and he's now immersed in
> > > hamming. He operates more than I do! CW too.
> > > I think a lot of old-timers need to change their attitudes about the
> FNG's
> > > to make ham radio more welcoming to them.
> > > That's MY opinion! 73
> > >
> > >
> > > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
> > > >
> > > > Ham radio is a dieing entity! Look at the average age of ham radio
> > > > operators. We can't get new people because of the following reasons
> > > > 1) No one wants to help them get started
> > > > 2) Cost of good gear
> > > > 3) cell phones
> > > > 4) video games
> > > > 5) No one will help them (o wait i said that)

> > > > Just one persons view
> > > >
> > > > Ernie
> > > >
> > > > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@> wrote:
> > > >
> > > > > **
> > > > >
> > > > >
> > > > > I have a Great Nephew studying for his test. I told him if he could
> > > learn
> > > > > code then he can get on 15, 40 and 80 meters and it won't wake his
> > > parents
> > > > > if he's doing it late at night. I think code is great and if I
> could
> > > learn
> > > > > it I'd be on the air with it only.
> > > > >
> > > > > The last time I tried code I'd say the ditty ditty dah dah's out
> loud
> > > till
> > > > > the wife told me to shut up. When the tape went into a fast flurry
> of
> > > code
> > > > > I was totally lost. So I don't know code.
> > > > >
> > > > > I might give your way a try there Ken. It would be cool when the
> wife
> > > > > drives I can send and receive code from the car while she listens
> to
> > > her
> > > > > talk radio.
> > > > >
> > > > > 73, WY6L
> > > > >
> > > > > From: Ken
> > > > > Sent: Thursday, December 29, 2011 5:20 AM
> > > > > To: ham-antennas@yahoogroups.com
> > > > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
> > > > >
> > > > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
> > > > >
> > > > > > 4) Set the learning charture speed at 18wpm so each letter is a
> sound
> > > > >
> > > > > I believe that different things work for different people.
> > > > >
> > > > > However, I highly recommend AGAINST the idea of learning with fast
> > > letters
> > > > > and wide spacing. Too many people are learning that way and never

> learn
> > > > > proper spacing and send really, really horrible CW. They can't
> send CW
> > > > > worth a darn!
> > > > >
> > > > > What worked for me: no machines, no tapes (I tried that and
> failed). I
> > > > > just mentally repeated to myself "di dah A di dah A" many times
> until I
> > > > > started thinking "A" automatically when I heard "di dah". Then
> another
> > > > > random letter from the alphabet, maybe "di dah di R", repeated
> many,
> > > many
> > > > > times. Again, that's what worked for me. Other approaches work for
> > > other
> > > > > people.
> > > > >
> > > > > But please, let's stay away from this characters at 18 wpm with
> > > spacing to
> > > > > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> > > > > characters with spacing for 12 or 15 wpm. Please, no!
> > > > >
> > > > > Maybe they have done us a disservice by discontinuing the novice
> > > bands. It
> > > > > used to be that one knew where to find stations using slow CW: the
> 50
> > > kHz
> > > > > in the novice bands. Perhaps the ARRL and other organizations need
> to
> > > > > jointly recommend frequencies in each band for slow speed
> operation.
> > > > >
> > > > > 73,
> > > > > Ken WA8JXM
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > > >
> > > > >
> > > >
> > > >
> > > >
> > > > --
> > > > Remember that when you think you have it all figured out... you wake
> up
> > > to
> > > > start all over again!

> > > > Trust yourself and MOST times you will not be disappointed
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> > >
> > >
> >
> >
> >
> > --
> > Remember that when you think you have it all figured out... you wake up
> to
> > start all over again!
> > Trust yourself and MOST times you will not be disappointed
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21749. Impedance transform

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:02:30 UTC
From: Ka9egw
Topic: 21749 Message: 21749

Sent from Samsung Conquer™ 4G

urei <ureii@...> wrote:

Hi group: I been experimenting with my 135' off dipole down in the cw subband ...at 3535kc the antenna presents a feedpoint z of 33-j155 according to arrl-nec. The transmission line program that comes with the antenna book tells me that at the other end of 44 feet of 600ohm open wire line that z is transformed to still-low-r but the reactance is transformed to * Plus* 600-odd ohms. Does this sound right??

I can send the necessary file if need be...
73, Brian KA9EGW

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

21750. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:05:06 UTC
From: kb7gl
Topic: 21717 Message: 21750

Well, it gets tedious reading through the long strings. I frequently DO read about this topic, and have done some recent "elmering" myself. However, I prefer to do it on the appropriate forums. Where I see the harm is that these strings inevitably evolve into 'peeing matches'; it seems more important to be "right" than rely on facts. And, they seem to go on forever, with no one convincing the other.

Having said all that, it's hard to deny that the hobby is, indeed, growing. Aside from the supporting facts stated earler, one can look at the N4MC Ham Locator link; punch-in zip 98033 and you'll see the huge number of new hams, virtually all kids, that have been brought into the hobby over the past several years, through the efforts of a local grade school teacher, and the Lake Washington Hams club, which is primarily for kids (K7LWH). Granted, this is only a local effort, but I believe it is happening all over the USA.

Ok -- you sucked me in...there's MY opinion. :-)

73, Vic KB7GL

--- In ham-antennas@yahoogroups.com, "urei" <ureii@...> wrote:
>
> Where's the harm? What's your opinion Vic?
> --- In ham-antennas@yahoogroups.com, "kb7gl" <vic.owen@> wrote:
> >
> > As Dave said earlier, what does this have to do with antennas? QRZ's Discussions, Opinions & Editorials works well for this. Food fights do not belong here...
> >
> > Vic, KB7GL
> >

21751. Re: AW: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:15:14 UTC
From: Ken
Topic: 21673 Message: 21751

On Dec 29, 2011, at 10:49 AM, siegfried jackstien wrote:

> Zepp = endfed dipole fed via quarterwave ladderline transformer

I agree 100%. Well, wait a minute, end fed with open wire, I agree. But I wouldn't call it a "dipole" since it doesn't have TWO (di-pole) sections. And I don't know that it needs a quarter wave transformer. Originally transmitters used link coupling and could match high impedance balanced feedlines.

> Double zepp = similar to doublet

I would call that a open wire fed dipole. Unfortunately (IMO), I found one Handbook also calling that a Zepp (cringe!)

The term "Zepp" came from the open wire, end fed, trailing wire used by Zepplins. They didn't/couldn't use a dipole (center fed) antenna. Anything beyond that, IMO, is a corruption. Might as well call a center fed dipole a Yagi :-(

Sometimes I think half of our problems is that there is no longer a standard of what terms mean so people use them loosely and communications is poor :-(

73,
Ken WA8JXM

21752. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:15:59 UTC
From: urei
Topic: 21740 Message: 21752

No test? In your dreams! Just because the ITU and FCC drop an archaic requirement doesn't signify a trend. Outrageous claim.
Have you listened to 80 meter phone lately? THERE'S a
real CB-type mess! AMers and SSBers arguing about who's entilted to what portions of the band, filthy language nightly, jammers, CW in the phone segments, phone in the CW segments. And the majority of these lids are old-timers, code-qualified hams.
If you limit ham licensing to strictly engineers and technicians that's when you'll lose your precious hobby. There aren't nearly enough to support ham radio.
Who is advocating no-test licensing? This is the first I've heard of it.

I produced numbers to back my claims. Your turn. Mike

--- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:
>
> What do the numbers prove. You drop or lower the requirement for anything, the numbers will increase, as someone has less work to get the same operating privledges. Just wait till there is no test at all. The numbers will go through the roof, but then it will then it will just be another CB radio with more frequencies. I will sell my equipment at that time and spend more time in one of my other hobbies. The supporters of the lower test requirements have already impacted the hobby, if the no test supporters get their way, the hobby will have one less ham.
>
> 73,io
> Robert
> KB6QXM
> "Ham Radio is for people that have copious s pare time"
>
> ----- Reply message -----
> From: "urei" <ureii@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Re: "dumming down" "code info"
> Date: Thu, Dec 29, 2011 10:44 am
> OK. Here ya go:
>
>
>
> Is ham radio growing?
>
>
>
> Look at the numbers!
>
>
>
> At the end of 2010 there were 696,041 Amateur Radio licensees in the USA.
>
>

>
> Here are the past totals for the USA:
>
>
>
> 2010 Â☐ 696,041
>
>
>
> 2009 - 682,497
>
>
>
> 2008 - 663,564
>
>
>
> 2007 - 655,842
>
>
>
> 2006 - 656,068
>
>
>
> 2005 - 662,600
>
>
>
> Also important...
>
>
>
> Higher percentages of Amateur Radio licensees are going far beyond the initial Technician Class license and earning General or even Amateur Extra Class licenses.
>
>
>
> The numbers were steadily declining until '07 when the code requirement was dropped.
>
> These figures are from the ARRL.
>
>
>
> --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
>
> > >
>
> > Back up your facts with number! I don't see it!

>
> >
>
> > Ernie
>
> >
>
> > On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@> wrote:
>
> >
>
> > > **
>
> > >
>
> > >
>
> > > Ernie,
>
> > > You are certainly entitled to your opinion, factual or otherwise.
>
> > > Fact is, the number of hams in the US has been increasing. I don't think
>
> > > that's a sign of a dying entity. The age of operators is, in my opinion,
>
> > > irrelevant. We've always been a bunch of old fuds no matter what ages we
>
> > > are.
>
> > > I don't think "nobody wants to help them get started". I think there are
>
> > > not enough Elmers out here. Remember, though, we're ALL Elmers at least
>
> > > potentially. If you wish to preserve your beloved hobby, get out there and
>
> > > do it. You don't like "appliance operators"? It's uo to YOU to teach them
>
> > > so they'll know what they're doing.
>
> > > The cost of "good gear" is another matter. We all know you can put a
>
> > > perfectly viable station on the air for next to nothing. If you're focused
>
> > > on keeping up with the Joneses, it'll cost you some money.
>
> > > We have to set a good example for prospective and new ops. We need to
>
> > > emphasize that you don't need a KW to ragchew 300 miles on 75 meters. A
>

> > > well-operated FT-101 is indistinguishable from an FT-2000 on the receiving
>
> > > end and costs a lot less.
>
> > > As for cell phones and video gear, I have both and they don't stop me from
>
> > > operating. I elmered a "gamer" a few years ago and he's now immersed in
>
> > > hamming. He operates more than I do! CW too.
>
> > > I think a lot of old-timers need to change their attitudes about the FNG's
>
> > > to make ham radio more welcoming to them.
>
> > > That's MY opinion! 73
>
> > >
>
> > >
>
> > > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
>
> > > >
>
> > > > Ham radio is a dieing entity! Look at the average age of ham radio
>
> > > > operators. We can't get new people because of the following reasons
>
> > > > 1) No one wants to help them get started
>
> > > > 2) Cost of good gear
>
> > > > 3) cell phones
>
> > > > 4) video games
>
> > > > 5) No one will help them (o wait i said that)
>
> > > > Just one persons view
>
> > > >
>
> > > > Ernie
>
> > > >
>
> > > > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@> wrote:
>
> > > >

>
> > > > > **
>
> > > > >
>
> > > > >
>
> > > > > I have a Great Nephew studying for his test. I told him if he could
>
> > > learn
>
> > > > > code then he can get on 15, 40 and 80 meters and it won't wake his
>
> > > parents
>
> > > > > if he's doing it late at night. I think code is great and if I could
>
> > > learn
>
> > > > > it I'd be on the air with it only.
>
> > > > >
>
> > > > > The last time I tried code I'd say the ditty ditty dah dah's out loud
>
> > > till
>
> > > > > the wife told me to shut up. When the tape went into a fast flurry of
>
> > > code
>
> > > > > I was totally lost. So I don't know code.
>
> > > > >
>
> > > > > I might give your way a try there Ken. It would be cool when the wife
>
> > > > > drives I can send and receive code from the car while she listens to
>
> > > her
>
> > > > > talk radio.
>
> > > > >
>
> > > > > 73, WY6L
>
> > > > >
>

> > > > > From: Ken
>
> > > > > Sent: Thursday, December 29, 2011 5:20 AM
>
> > > > > To: ham-antennas@yahoogroups.com
>
> > > > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
> > > > >
>
> > > > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
>
> > > > >
>
> > > > > > 4) Set the learning charture speed at 18wpm so each letter is a sound
>
> > > > >
>
> > > > > I believe that different things work for different people.
>
> > > > >
>
> > > > > However, I highly recommend AGAINST the idea of learning with fast
>
> > > letters
>
> > > > > and wide spacing. Too many people are learning that way and never learn
>
> > > > > proper spacing and send really, really horrible CW. They can't send CW
>
> > > > > worth a darn!
>
> > > > >
>
> > > > > What worked for me: no machines, no tapes (I tried that and failed). I
>
> > > > > just mentally repeated to myself "di dah A di dah A" many times until I
>
> > > > > started thinking "A" automatically when I heard "di dah". Then another
>
> > > > > random letter from the alphabet, maybe "di dah di R", repeated many,
>
> > > many
>
> > > > > times. Again, that's what worked for me. Other approaches work for
>
> > > other
>
> > > > > people.

>
> > > > >
>
> > > > > But please, let's stay away from this characters at 18 wpm with
>
> > > spacing to
>
> > > > > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
>
> > > > > characters with spacing for 12 or 15 wpm. Please, no!
>
> > > > >
>
> > > > > Maybe they have done us a disservice by discontinuing the novice
>
> > > bands. It
>
> > > > > used to be that one knew where to find stations using slow CW: the 50
>
> > > kHz
>
> > > > > in the novice bands. Perhaps the ARRL and other organizations need to
>
> > > > > jointly recommend frequencies in each band for slow speed operation.
>
> > > > >
>
> > > > > 73,
>
> > > > > Ken WA8JXM
>
> > > > >
>
> > > > > [Non-text portions of this message have been removed]
>
> > > > >
>
> > > > > [Non-text portions of this message have been removed]
>
> > > > >
>
> > > > >
>
> > > > >
>
> > > >
>
> > > >
>

> > > >
>
> > > > --
>
> > > > Remember that when you think you have it all figured out... you wake up
>
> > > to
>
> > > > start all over again!
>
> > > > Trust yourself and MOST times you will not be disappointed
>
> > > > >
>
> > > > >
>
> > > > [Non-text portions of this message have been removed]
>
> > > > >
>
> > > >
>
> > > >
>
> > > >
>
> > >
>
> > >
>
> > >
>
> > > --
>
> > Remember that when you think you have it all figured out... you wake up to
>
> > start all over again!
>
> > Trust yourself and MOST times you will not be disappointed
>
> > >
>
> > >
>
> > [Non-text portions of this message have been removed]
>
> > >
>
>

>
>
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21753. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:16:13 UTC
From: Ken
Topic: 21717 Message: 21753

I agree, that's the best way!

Ken WA8JXM

On Dec 29, 2011, at 11:04 AM, Joe wrote:

> I used a buddy to learn to get to the 5 wpm for my novice. Then the
> best way to gain speed is simple.
>
> USE IT!
>
> Simply getting on the air and talk to people with it will increase your
> speen in no time.

21754. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:17:55 UTC
From: urei
Topic: 21717 Message: 21754

I said the source of my numbers. You just saw only what you wanted to.

--- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
>
> Say the source of these numbers! I can make them look the other way!
>
> On Thu, Dec 29, 2011 at 1:44 PM, urei <ureii@...> wrote:
>
> > **
> >
> >
> > OK. Here ya go:
> >
> > Is ham radio growing?
> >
> > Look at the numbers!
> >
> > At the end of 2010 there were 696,041 Amateur Radio licensees in the USA.
> >
> > Here are the past totals for the USA:
> >
> > 2010 ☐ 696,041
> >
> > 2009 - 682,497
> >
> > 2008 - 663,564
> >
> > 2007 - 655,842
> >
> > 2006 - 656,068
> >
> > 2005 - 662,600
> >
> > Also important...
> >
> > Higher percentages of Amateur Radio licensees are going far beyond the
> > initial Technician Class license and earning General or even Amateur Extra
> > Class licenses.
> >
> > The numbers were steadily declining until '07 when the code requirement
> > was dropped.
> > These figures are from the ARRL.
> >
> > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:

> > >
> > > Back up your facts with number! I don't see it!
> > >
> > > Ernie
> > >
> > > On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@> wrote:
> > >
> > > > **
> > > >
> > > >
> > > > Ernie,
> > > > You are certainly entitled to your opinion, factual or otherwise.
> > > > Fact is, the number of hams in the US has been increasing. I don't
> > think
> > > > that's a sign of a dying entity. The age of operators is, in my
> > opinion,
> > > > irrelevant. We've always been a bunch of old fuds no matter what ages
> > we
> > > > are.
> > > > I don't think "nobody wants to help them get started". I think there
> > are
> > > > not enough Elmers out here. Remember, though, we're ALL Elmers at least
> > > > potentially. If you wish to preserve your beloved hobby, get out there
> > and
> > > > do it. You don't like "appliance operators"? It's uo to YOU to teach
> > them
> > > > so they'll know what they're doing.
> > > > The cost of "good gear" is another matter. We all know you can put a
> > > > perfectly viable station on the air for next to nothing. If you're
> > focused
> > > > on keeping up with the Joneses, it'll cost you some money.
> > > > We have to set a good example for prospective and new ops. We need to
> > > > emphasize that you don't need a KW to ragchew 300 miles on 75 meters. A
> > > > well-operated FT-101 is indistinguishable from an FT-2000 on the
> > receiving
> > > > end and costs a lot less.
> > > > As for cell phones and video gear, I have both and they don't stop me
> > from
> > > > operating. I elmered a "gamer" a few years ago and he's now immersed in
> > > > hamming. He operates more than I do! CW too.
> > > > I think a lot of old-timers need to change their attitudes about the
> > FNG's
> > > > to make ham radio more welcoming to them.
> > > > That's MY opinion! 73
> > > >
> > > >
> > > > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
> > > > >
> > > > > Ham radio is a dieing entity! Look at the average age of ham radio

> > > > > operators. We can't get new people because of the following reasons
> > > > > 1) No one wants to help them get started
> > > > > 2) Cost of good gear
> > > > > 3) cell phones
> > > > > 4) video games
> > > > > 5) No one will help them (o wait i said that)
> > > > > Just one persons view
> > > > >
> > > > > Ernie
> > > > >
> > > > > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@> wrote:
> > > > >
> > > > > > **
> > > > > >
> > > > > > I have a Great Nephew studying for his test. I told him if he could
> > > > learn
> > > > > > code then he can get on 15, 40 and 80 meters and it won't wake his
> > > > parents
> > > > > > if he's doing it late at night. I think code is great and if I
> > could
> > > > learn
> > > > > > it I'd be on the air with it only.
> > > > > >
> > > > > > The last time I tried code I'd say the ditty ditty dah dah's out
> > loud
> > > > till
> > > > > > the wife told me to shut up. When the tape went into a fast flurry
> > of
> > > > code
> > > > > > I was totally lost. So I don't know code.
> > > > > >
> > > > > > I might give your way a try there Ken. It would be cool when the
> > wife
> > > > > > drives I can send and receive code from the car while she listens
> > to
> > > > her
> > > > > > talk radio.
> > > > > >
> > > > > > 73, WY6L
> > > > > >
> > > > > > From: Ken
> > > > > > Sent: Thursday, December 29, 2011 5:20 AM
> > > > > > To: ham-antennas@yahoogroups.com
> > > > > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
> > > > > >
> > > > > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
> > > > > >
> > > > > > > 4) Set the learning charture speed at 18wpm so each letter is a

> > sound
> > > > > >
> > > > > > I believe that different things work for different people.
> > > > > >
> > > > > > However, I highly recommend AGAINST the idea of learning with fast
> > > > letters
> > > > > > and wide spacing. Too many people are learning that way and never
> > learn
> > > > > > proper spacing and send really, really horrible CW. They can't
> > send CW
> > > > > > worth a darn!
> > > > > >
> > > > > > What worked for me: no machines, no tapes (I tried that and
> > failed). I
> > > > > > just mentally repeated to myself "di dah A di dah A" many times
> > until I
> > > > > > started thinking "A" automatically when I heard "di dah". Then
> > another
> > > > > > random letter from the alphabet, maybe "di dah di R", repeated
> > many,
> > > > > many
> > > > > > times. Again, that's what worked for me. Other approaches work for
> > > > other
> > > > > > people.
> > > > > >
> > > > > > But please, let's stay away from this characters at 18 wpm with
> > > > spacing to
> > > > > > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> > > > > > characters with spacing for 12 or 15 wpm. Please, no!
> > > > > >
> > > > > > Maybe they have done us a disservice by discontinuing the novice
> > > > bands. It
> > > > > > used to be that one knew where to find stations using slow CW: the
> > 50
> > > > kHz
> > > > > > in the novice bands. Perhaps the ARRL and other organizations need
> > to
> > > > > > jointly recommend frequencies in each band for slow speed
> > operation.
> > > > > >
> > > > > > 73,
> > > > > > Ken WA8JXM
> > > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > > > >
> > > > > >

> > > > >
> > > > >
> > > > >
> > > > > --
> > > > > Remember that when you think you have it all figured out... you wake
> > up
> > > > > to
> > > > > start all over again!
> > > > > Trust yourself and MOST times you will not be disappointed
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > >
> > > >
> > > >
> > > > --
> > > > Remember that when you think you have it all figured out... you wake up
> > > to
> > > > start all over again!
> > > > Trust yourself and MOST times you will not be disappointed
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> > >
> > >
> >
> >
> >
> > --
> > Remember that when you think you have it all figured out... you wake up to
> > start all over again!
> > Trust yourself and MOST times you will not be disappointed
> >
> >
> > [Non-text portions of this message have been removed]
> >

21755. Re: [ham-antennas] Impedance transform

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:21:34 UTC
From: ka9egw@britewerkz.com
Topic: 21749 Message: 21755

OK, I'm still learning how to edit text on my new smartphone...the fist couple lines of that message [i.e. everything before "Hi group" was mistakenly not edited.

And it was SUPPOSED to end "I can send the NEC file..."

Sorry abt that.
73, Brian KA9EGW

> Hi group: I been experimenting with my 135' off dipole down in the cw
> subband ...at 3535kc the antenna presents a feedpoint z of 33-j155
> according to arrl-nec. The transmission line program that comes with the
> antenna book tells me that at the other end of 44 feet of 600ohm open wire
> line that z is transformed to still-low-r but the reactance is transformed
> to * Plus* 600-odd ohms. Does this sound right??
>
> I can send the necessary file if need be...
> 73, Brian KA9EGW
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

21756. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:25:15 UTC
From: urei
Topic: 21717 Message: 21756

Happy to have it. Thanks OM. 73
>
> Ok -- you sucked me in...there's MY opinion. :-)
>
> 73, Vic KB7GL
>
> --- In ham-antennas@...m, "urei" <ureii@> wrote:
> >
> > Where's the harm? What's your opinion Vic?
> > --- In ham-antennas@yahoogroups.com, "kb7gl" <vic.owen@> wrote:
> > >
> > > As Dave said earlier, what does this have to do with antennas? QRZ's Discussions, Opinions & Editorials works well for this. Food fights do not belong here...
> > >
> > > Vic, KB7GL
> > >
>

21757. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:44:57 UTC
From: Ken
Topic: 21717 Message: 21757

Ernie, I will agree that #3 and #4 are definite issues, along with there is no longer the "magic" of communicating with people far away like there used to be.

As for your #1, well I learned it all by myself as a teenager. I had no outside help. I had my ticket for a dozen years before the term "Elmer" was used. I think many ham clubs today do more mentoring than they did 50-60 years ago.

Your number two I vigorously disagree with. Ham gear is cheap today compared to 45-50 years ago.

1968: Drake Twins and power supply: $1200, about half the price of a new car in or equivalent to 3600 gallons of gas.
Now: Many good HF transceivers for $900-1200, which will buy you less than 10% of a new car or 300 gallons of gas.

Back then, the top of the line ham gear (Collins S-Line) cost about 6 months average wages.

The one advantage 50 years ago was that old TVs could be torn apart and the parts used for ham gear. And there was WWII surplus gear available although most of it wasn't all that good by the 1960's standards.

73,
Ken WA8JXM

On Dec 29, 2011, at 11:31 AM, Ernie Rice wrote:

> Ham radio is a dieing entity! Look at the average age of ham radio
> operators. We can't get new people because of the following reasons
> 1) No one wants to help them get started
> 2) Cost of good gear
> 3) cell phones
> 4) video games
> 5) No one will help them (o wait i said that)
> Just one persons view
>
> Ernie

21758. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:45:46 UTC
From: Ron Youvan
Topic: 21673 Message: 21758

Larry WA9GUU Tooley wrote:

> I always thought a doublet was a half-wave dipole that could be center fed
> with coax. Each side of the dipole had at least two wires in parallel to
> make it broad-banded.

That's not a doublet, it's a folded dipole.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21759. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:47:26 UTC
From: Ron Youvan
Topic: 21673 Message: 21759

Larry WA9GUU Tooley wrote:

> EEEEEeks! The drawing failed. My version of the doublet was supposed to
> show a regular center fed half wave dipole, only two parallel lines form
> each 1/4 wave side. This makes it broad-band. Is my thinking correct?

This and possibly most YAHOO groups throwaway excessive spaces in every post.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21760. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:57:49 UTC
From: Dan Schaaf
Topic: 21717 Message: 21760

This hobby seems to be riddled with negativity.

Anyone in this argument trying to defend the positive numbers is wasting his time. There will always be someone who will have a negative reply.
Just like, no matter what ANY President of the USA does, past, present or future, there will be those who just cannot give credit where credit is due.
Their minds are made up. Do not confuse them with facts. Best to just drop the subject and move on. They will also tell you that an antenna does not radiate even though we all know that it does.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: "Ernie Rice" <ranger2995@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, December 29, 2011 2:00 PM
Subject: Re: [ham-antennas] Re: "dumming down" "code info"

Say the source of these numbers! I can make them look the other way!

On Thu, Dec 29, 2011 at 1:44 PM, urei <ureii@...> wrote:

> **
>
>
> OK. Here ya go:
>
> Is ham radio growing?
>
> Look at the numbers!
>
> At the end of 2010 there were 696,041 Amateur Radio licensees in the USA.
>
> Here are the past totals for the USA:
>
> 2010 - 696,041
>
> 2009 - 682,497
>
> 2008 - 663,564
>
> 2007 - 655,842

>
> 2006 - 656,068
>
> 2005 - 662,600
>
> Also important...
>
> Higher percentages of Amateur Radio licensees are going far beyond the
> initial Technician Class license and earning General or even Amateur Extra
> Class licenses.
>
> The numbers were steadily declining until '07 when the code requirement
> was dropped.
> These figures are from the ARRL.
>
> --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
> >
> > Back up your facts with number! I don't see it!
> >
> > Ernie
> >
> > On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@...> wrote:
> >
> > > **
> > >
> > >
> > > Ernie,
> > > You are certainly entitled to your opinion, factual or otherwise.
> > > Fact is, the number of hams in the US has been increasing. I don't
> think
> > > that's a sign of a dying entity. The age of operators is, in my
> opinion,
> > > irrelevant. We've always been a bunch of old fuds no matter what ages
> we
> > > are.
> > > I don't think "nobody wants to help them get started". I think there
> are
> > > not enough Elmers out here. Remember, though, we're ALL Elmers at
> > > least
> > > potentially. If you wish to preserve your beloved hobby, get out there
> and
> > > do it. You don't like "appliance operators"? It's uo to YOU to teach
> them
> > > so they'll know what they're doing.
> > > The cost of "good gear" is another matter. We all know you can put a
> > > perfectly viable station on the air for next to nothing. If you're
> focused
> > > on keeping up with the Joneses, it'll cost you some money.
> > > We have to set a good example for prospective and new ops. We need to
> > > emphasize that you don't need a KW to ragchew 300 miles on 75 meters.

> > > A
> > > well-operated FT-101 is indistinguishable from an FT-2000 on the
> receiving
> > > end and costs a lot less.
> > > As for cell phones and video gear, I have both and they don't stop me
> from
> > > operating. I elmered a "gamer" a few years ago and he's now immersed
> > > in
> > > hamming. He operates more than I do! CW too.
> > > I think a lot of old-timers need to change their attitudes about the
> FNG's
> > > to make ham radio more welcoming to them.
> > > That's MY opinion! 73
> > >
> > >
> > > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
> > > >
> > > > Ham radio is a dieing entity! Look at the average age of ham radio
> > > > operators. We can't get new people because of the following reasons
> > > > 1) No one wants to help them get started
> > > > 2) Cost of good gear
> > > > 3) cell phones
> > > > 4) video games
> > > > 5) No one will help them (o wait i said that)
> > > > Just one persons view
> > > >
> > > > Ernie
> > > >
> > > > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@> wrote:
> > > >
> > > > > **
> > > > >
> > > > >
> > > > > I have a Great Nephew studying for his test. I told him if he
> > > > > could
> > > learn
> > > > > code then he can get on 15, 40 and 80 meters and it won't wake his
> > > parents
> > > > > if he's doing it late at night. I think code is great and if I
> could
> > > learn
> > > > > it I'd be on the air with it only.
> > > > >
> > > > > The last time I tried code I'd say the ditty ditty dah dah's out
> loud
> > > till
> > > > > the wife told me to shut up. When the tape went into a fast flurry
> of
> > > code
> > > > > I was totally lost. So I don't know code.

> > > > >
> > > > > I might give your way a try there Ken. It would be cool when the
> wife
> > > > > drives I can send and receive code from the car while she listens
> to
> > > her
> > > > > talk radio.
> > > > >
> > > > > 73, WY6L
> > > > >
> > > > > From: Ken
> > > > > Sent: Thursday, December 29, 2011 5:20 AM
> > > > > To: ham-antennas@yahoogroups.com
> > > > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
> > > > >
> > > > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
> > > > >
> > > > > > 4) Set the learning charture speed at 18wpm so each letter is a
> sound
> > > > >
> > > > > I believe that different things work for different people.
> > > > >
> > > > > However, I highly recommend AGAINST the idea of learning with fast
> > > letters
> > > > > and wide spacing. Too many people are learning that way and never
> learn
> > > > > proper spacing and send really, really horrible CW. They can't
> send CW
> > > > > worth a darn!
> > > > >
> > > > > What worked for me: no machines, no tapes (I tried that and
> failed). I
> > > > > just mentally repeated to myself "di dah A di dah A" many times
> until I
> > > > > started thinking "A" automatically when I heard "di dah". Then
> another
> > > > > random letter from the alphabet, maybe "di dah di R", repeated
> many,
> > > many
> > > > > times. Again, that's what worked for me. Other approaches work for
> > > other
> > > > > people.
> > > > >
> > > > > But please, let's stay away from this characters at 18 wpm with
> > > spacing to
> > > > > bring it down to 5 wpm! Please don't put that on the air! Or 25
> > > > > wpm
> > > > > characters with spacing for 12 or 15 wpm. Please, no!
> > > > >
> > > > > Maybe they have done us a disservice by discontinuing the novice

> > > bands. It
> > > > > used to be that one knew where to find stations using slow CW: the
> 50
> > > kHz
> > > > > in the novice bands. Perhaps the ARRL and other organizations need
> to
> > > > > jointly recommend frequencies in each band for slow speed
> operation.
> > > > >
> > > > > 73,
> > > > > Ken WA8JXM
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > > >
> > > > >
> > > >
> > > >
> > > >
> > > > --
> > > > Remember that when you think you have it all figured out... you wake
> up
> > > to
> > > > start all over again!
> > > > Trust yourself and MOST times you will not be disappointed
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> > >
> > >
> > >
> > > --
> > > Remember that when you think you have it all figured out... you wake up
> to
> > > start all over again!
> > > Trust yourself and MOST times you will not be disappointed
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21761. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:58:30 UTC
From: ka9egw@britewerkz.com
Topic: 21673 Message: 21761

If the outer ends are connected, it's a folded dipole, if not it's a sort
of fan dipole, and the 'cage effect' of the doubled elements should
broardband it...somewhat...

I'm guessing you meant this:

=====||=====

not this:
|=====||=====|

73, Brian KA9EGW
> Larry WA9GUU Tooley wrote:
>
>> EEEEEeks! The drawing failed. My version of the doublet was supposed to
>> show a regular center fed half wave dipole, only two parallel lines form
>> each 1/4 wave side. This makes it broad-band. Is my thinking correct?
>
> This and possibly most YAHOO groups throwaway excessive spaces in every
> post.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

21762. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 19:58:32 UTC
From: Ken
Topic: 21717 Message: 21762

On Dec 29, 2011, at 1:19 PM, urei wrote:

> Fact is, the number of hams in the US has been increasing. I don't think that's a sign of a dying entity. The age of operators is, in my opinion, irrelevant. We've always been a bunch of old fuds no matter what ages we are.

Well, doubling the license period reduces the turnover. Yes, there are more licensees now than ever, but the activity on the bands is way, way down from what it used to be.

And the age of the operator does matter since as these older folks become silent keys, the numbers will drop. Back when I started as a teen, it was very common to work other teens on the air. How many teen age kids have you worked lately?

Ken

21763. impedance transform [was re: [something else]]

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:00:06 UTC
From: ka9egw@britewerkz.com
Topic: 21717 Message: 21763

Now, can we return to our regular discussion, i.e. my impedance transform question?

73, Brian KA9EGW> This hobby seems to be riddled with negativity.
>
> Anyone in this argument trying to defend the positive numbers is wasting
> his
> time. There will always be someone who will have a negative reply.
> Just like, no matter what ANY President of the USA does, past, present or
> future, there will be those who just cannot give credit where credit is
> due.
> Their minds are made up. Do not confuse them with facts. Best to just drop
> the subject and move on. They will also tell you that an antenna does not
> radiate even though we all know that it does.
>
> Best Regards
> Dan Schaaf
> K3ZXL www.k3zxl.com
>
> "Problems cannot be solved by the same level of thinking that created
> them." - Albert Einstein
>
>
> ----- Original Message -----
> From: "Ernie Rice" <ranger2995@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Thursday, December 29, 2011 2:00 PM
> Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
>
> Say the source of these numbers! I can make them look the other way!
>
> On Thu, Dec 29, 2011 at 1:44 PM, urei <ureii@...> wrote:
>
>> **
>>
>>
>> OK. Here ya go:
>>
>> Is ham radio growing?
>>
>> Look at the numbers!
>>
>> At the end of 2010 there were 696,041 Amateur Radio licensees in the
>> USA.

>>
>> Here are the past totals for the USA:
>>
>> 2010 - 696,041
>>
>> 2009 - 682,497
>>
>> 2008 - 663,564
>>
>> 2007 - 655,842
>>
>> 2006 - 656,068
>>
>> 2005 - 662,600
>>
>> Also important...
>>
>> Higher percentages of Amateur Radio licensees are going far beyond the
>> initial Technician Class license and earning General or even Amateur
>> Extra
>> Class licenses.
>>
>> The numbers were steadily declining until '07 when the code requirement
>> was dropped.
>> These figures are from the ARRL.
>>
>> --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
>> >
>> > Back up your facts with number! I don't see it!
>> >
>> > Ernie
>> >
>> > On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@...> wrote:
>> >
>> > > **
>> > >
>> > >
>> > > Ernie,
>> > > You are certainly entitled to your opinion, factual or otherwise.
>> > > Fact is, the number of hams in the US has been increasing. I don't
>> think
>> > > that's a sign of a dying entity. The age of operators is, in my
>> opinion,
>> > > irrelevant. We've always been a bunch of old fuds no matter what
>> ages
>> we
>> > > are.
>> > > I don't think "nobody wants to help them get started". I think there
>> are
>> > > not enough Elmers out here. Remember, though, we're ALL Elmers at

>> > > least
>> > > potentially. If you wish to preserve your beloved hobby, get out
>> there
>> and
>> > > do it. You don't like "appliance operators"? It's uo to YOU to teach
>> them
>> > > so they'll know what they're doing.
>> > > The cost of "good gear" is another matter. We all know you can put a
>> > > perfectly viable station on the air for next to nothing. If you're
>> focused
>> > > on keeping up with the Joneses, it'll cost you some money.
>> > > We have to set a good example for prospective and new ops. We need
>> to
>> > > emphasize that you don't need a KW to ragchew 300 miles on 75
>> meters.
>> > > A
>> > > well-operated FT-101 is indistinguishable from an FT-2000 on the
>> receiving
>> > > end and costs a lot less.
>> > > As for cell phones and video gear, I have both and they don't stop
>> me
>> from
>> > > operating. I elmered a "gamer" a few years ago and he's now immersed
>> > > in
>> > > hamming. He operates more than I do! CW too.
>> > > I think a lot of old-timers need to change their attitudes about the
>> FNG's
>> > > to make ham radio more welcoming to them.
>> > > That's MY opinion! 73
>> > >
>> > >
>> > > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
>> > > >
>> > > > Ham radio is a dieing entity! Look at the average age of ham radio
>> > > > operators. We can't get new people because of the following
>> reasons
>> > > > 1) No one wants to help them get started
>> > > > 2) Cost of good gear
>> > > > 3) cell phones
>> > > > 4) video games
>> > > > 5) No one will help them (o wait i said that)
>> > > > Just one persons view
>> > > >
>> > > > Ernie
>> > > >
>> > > > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@> wrote:
>> > > >
>> > > > > **
>> > > > >
>> > > > >

>> > > > > I have a Great Nephew studying for his test. I told him if he
>> > > > > could
>> > > learn
>> > > > > code then he can get on 15, 40 and 80 meters and it won't wake
>> his
>> > > parents
>> > > > > if he's doing it late at night. I think code is great and if I
>> could
>> > > learn
>> > > > > it I'd be on the air with it only.
>> > > > >
>> > > > > The last time I tried code I'd say the ditty ditty dah dah's out
>> loud
>> > > till
>> > > > > the wife told me to shut up. When the tape went into a fast
>> flurry
>> of
>> > > code
>> > > > > I was totally lost. So I don't know code.
>> > > > >
>> > > > > I might give your way a try there Ken. It would be cool when the
>> wife
>> > > > > drives I can send and receive code from the car while she
>> listens
>> to
>> > > her
>> > > > > talk radio.
>> > > > >
>> > > > > 73, WY6L
>> > > > >
>> > > > > From: Ken
>> > > > > Sent: Thursday, December 29, 2011 5:20 AM
>> > > > > To: ham-antennas@yahoogroups.com
>> > > > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>> > > > >
>> > > > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
>> > > > >
>> > > > > > 4) Set the learning charture speed at 18wpm so each letter is
>> a
>> sound
>> > > > >
>> > > > > I believe that different things work for different people.
>> > > > >
>> > > > > However, I highly recommend AGAINST the idea of learning with
>> fast
>> > > letters
>> > > > > and wide spacing. Too many people are learning that way and
>> never
>> learn
>> > > > > proper spacing and send really, really horrible CW. They can't

>> send CW
>> > > > > worth a darn!
>> > > > >
>> > > > > What worked for me: no machines, no tapes (I tried that and
>> failed). I
>> > > > > just mentally repeated to myself "di dah A di dah A" many times
>> until I
>> > > > > started thinking "A" automatically when I heard "di dah". Then
>> another
>> > > > > random letter from the alphabet, maybe "di dah di R", repeated
>> many,
>> > > many
>> > > > > times. Again, that's what worked for me. Other approaches work
>> for
>> > > other
>> > > > > people.
>> > > > >
>> > > > > But please, let's stay away from this characters at 18 wpm with
>> > > spacing to
>> > > > > bring it down to 5 wpm! Please don't put that on the air! Or 25
>> > > > > wpm
>> > > > > characters with spacing for 12 or 15 wpm. Please, no!
>> > > > >
>> > > > > Maybe they have done us a disservice by discontinuing the novice
>> > > bands. It
>> > > > > used to be that one knew where to find stations using slow CW:
>> the
>> 50
>> > > kHz
>> > > > > in the novice bands. Perhaps the ARRL and other organizations
>> need
>> to
>> > > > > jointly recommend frequencies in each band for slow speed
>> operation.
>> > > > >
>> > > > > 73,
>> > > > > Ken WA8JXM
>> > > > >
>> > > > > [Non-text portions of this message have been removed]
>> > > > >
>> > > > > [Non-text portions of this message have been removed]
>> > > > >
>> > > > >
>> > > > >
>> > > >
>> > > >
>> > > >
>> > > > --
>> > > > Remember that when you think you have it all figured out... you
>> wake

>> up
>> > > to
>> > > > start all over again!
>> > > > Trust yourself and MOST times you will not be disappointed
>> > > >
>> > > >
>> > > > [Non-text portions of this message have been removed]
>> > > >
>> > >
>> > >
>> > >
>> >
>> >
>> >
>> > --
>> > Remember that when you think you have it all figured out... you wake
>> up
>> to
>> > start all over again!
>> > Trust yourself and MOST times you will not be disappointed
>> >
>> >
>> > [Non-text portions of this message have been removed]
>> >
>>
>>
>>
>
>
>
> --
> Remember that when you think you have it all figured out... you wake up to
> start all over again!
> Trust yourself and MOST times you will not be disappointed
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

21764. Re: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:01:28 UTC
From: Ron Youvan
Topic: 21673 Message: 21764

Ken WA8JXM wrote:

> On Dec 29, 2011, at 7:56 AM, Siegfried Jackstien wrote:

> > Every doublet is a dipole ... but not all dipoles are doublets

> Could we perhaps agree that "doublet" is an archaic term that no one agrees on what it means and
> therefore should be dropped in favor of less confusing terms? :-)

The term hasn't died in 75 or a hundred years, whom are you to close the door on part of our
history? It is still accurate and used, it's just that everyone hasn't met the term yet, like about
a hundred other less common terms. Such as: "I prefer double ended amplifiers."

> Someone the other day said that it dated back to when hams used lamp cord for feedline. Since lamp
> cord feedline is obsolete, let's put doublet into the same basket and bury it!

Zip cord isn't gone or obsolete, it is a perfect back packing feedline and feedline antenna combination. It weighs less and will fold without having to observe a "bending radius" precaution.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21765. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:05:08 UTC
From: Ken
Topic: 21673 Message: 21765

"two wires in parallel" is different than a folded dipole. Physically the wires in a folded dipole are in parallel, but not electrically.

Ken WA8JXM

On Dec 29, 2011, at 2:45 PM, Ron Youvan wrote:

> Larry WA9GUU Tooley wrote:
>
>> I always thought a doublet was a half-wave dipole that could be center fed
>> with coax. Each side of the dipole had at least two wires in parallel to
>> make it broad-banded.
>
> That's not a doublet, it's a folded dipole.

21766. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:06:58 UTC
From: Dan Schaaf
Topic: 21717 Message: 21766

It is not a requirement to be on the air regularly to be a ham. Many hams do experimentation, antenna design and testing instead of being on the air all the time. And many are into QRP SOTA, mountain Climbing, back packing, biking with their small radios. Many hams have a family and a life outside of the hobby, wives, kids, dogs, camping, sports etc etc.
It is only the addicted ones like contesters and DXers like myself who are on the air all of the time.

So, just because the bands seem quiet, doesn't mean that there is no ham activity of some sort.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: Ken
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 2:58 PM
Subject: Re: [ham-antennas] Re: "dumming down" "code info"

On Dec 29, 2011, at 1:19 PM, urei wrote:

> Fact is, the number of hams in the US has been increasing. I don't think that's a sign of a dying entity. The age of operators is, in my opinion, irrelevant. We've always been a bunch of old fuds no matter what ages we are.

Well, doubling the license period reduces the turnover. Yes, there are more licensees now than ever, but the activity on the bands is way, way down from what it used to be.

And the age of the operator does matter since as these older folks become silent keys, the numbers will drop. Back when I started as a teen, it was very common to work other teens on the air. How many teen age kids have you worked lately?

Ken

[Non-text portions of this message have been removed]

21767. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:09:55 UTC
From: fred
Topic: 21740 Message: 21767

Hope I don't start a new fire here .
what is not mentioned is how many of the new hams actually get on the air or advance beyond technition . I took the extra exam when I passed general and failed it . no surprise there as my math skills are not good . never tried again as what it will gain me is not enough to make it worthwhile for me since most of what is gained in in the CW bands and I am not a CW operator .
kd5pnt

--- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...> wrote:
>
> What do the numbers prove. You drop or lower the requirement for anything, the numbers will increase, as someone has less work to get the same operating privledges. Just wait till there is no test at all. The numbers will go through the roof, but then it will then it will just be another CB radio with more frequencies. I will sell my equipment at that time and spend more time in one of my other hobbies. The supporters of the lower test requirements have already impacted the hobby, if the no test supporters get their way, the hobby will have one less ham.
>
> 73,io
> Robert
> KB6QXM
> "Ham Radio is for people that have copious s pare time"
>
> ----- Reply message -----
> From: "urei" <ureii@...>
> To: <ham-antennas@yahoogroups.com>
> Subject: [ham-antennas] Re: "dumming down" "code info"
> Date: Thu, Dec 29, 2011 10:44 am
> OK. Here ya go:
>
>
>
> Is ham radio growing?
>
>
>
> Look at the numbers!
>
>
>
> At the end of 2010 there were 696,041 Amateur Radio licensees in the USA.
>
>
>
> Here are the past totals for the USA:
>

>
>
> 2010 Â□ 696,041
>
>
>
> 2009 - 682,497
>
>
>
> 2008 - 663,564
>
>
>
> 2007 - 655,842
>
>
>
> 2006 - 656,068
>
>
>
> 2005 - 662,600
>
>
>
> Also important...
>
>
>
> Higher percentages of Amateur Radio licensees are going far beyond the initial Technician Class license and earning General or even Amateur Extra Class licenses.
>
>
>
> The numbers were steadily declining until '07 when the code requirement was dropped.
>
> These figures are from the ARRL.
>
>
>
> --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
>
> >
>
> > Back up your facts with number! I don't see it!
>
> >
>

> > Ernie
>
> >
>
> > On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@> wrote:
>
> >
>
> > > **
>
> > >
>
> > >
>
> > > Ernie,
>
> > > You are certainly entitled to your opinion, factual or otherwise.
>
> > > Fact is, the number of hams in the US has been increasing. I don't think
>
> > > that's a sign of a dying entity. The age of operators is, in my opinion,
>
> > > irrelevant. We've always been a bunch of old fuds no matter what ages we
>
> > > are.
>
> > > I don't think "nobody wants to help them get started". I think there are
>
> > > not enough Elmers out here. Remember, though, we're ALL Elmers at least
>
> > > potentially. If you wish to preserve your beloved hobby, get out there and
>
> > > do it. You don't like "appliance operators"? It's uo to YOU to teach them
>
> > > so they'll know what they're doing.
>
> > > The cost of "good gear" is another matter. We all know you can put a
>
> > > perfectly viable station on the air for next to nothing. If you're focused
>
> > > on keeping up with the Joneses, it'll cost you some money.
>
> > > We have to set a good example for prospective and new ops. We need to
>
> > > emphasize that you don't need a KW to ragchew 300 miles on 75 meters. A
>
> > > well-operated FT-101 is indistinguishable from an FT-2000 on the receiving
>
> > > end and costs a lot less.

>
> > > As for cell phones and video gear, I have both and they don't stop me from
>
> > > operating. I elmered a "gamer" a few years ago and he's now immersed in
>
> > > hamming. He operates more than I do! CW too.
>
> > > I think a lot of old-timers need to change their attitudes about the FNG's
>
> > > to make ham radio more welcoming to them.
>
> > > That's MY opinion! 73
>
> > >
>
> > >
>
> > > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
>
> > > >
>
> > > > Ham radio is a dieing entity! Look at the average age of ham radio
>
> > > > operators. We can't get new people because of the following reasons
>
> > > > 1) No one wants to help them get started
>
> > > > 2) Cost of good gear
>
> > > > 3) cell phones
>
> > > > 4) video games
>
> > > > 5) No one will help them (o wait i said that)
>
> > > > Just one persons view
>
> > > >
>
> > > > Ernie
>
> > > >
>
> > > > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@> wrote:
>
> > > >
>
> > > > > **
>

> > > > >
>
> > > > >
>
> > > > > I have a Great Nephew studying for his test. I told him if he could
>
> > > learn
>
> > > > > code then he can get on 15, 40 and 80 meters and it won't wake his
>
> > > parents
>
> > > > > if he's doing it late at night. I think code is great and if I could
>
> > > learn
>
> > > > > it I'd be on the air with it only.
>
> > > > >
>
> > > > > The last time I tried code I'd say the ditty ditty dah dah's out loud
>
> > > till
>
> > > > > the wife told me to shut up. When the tape went into a fast flurry of
>
> > > code
>
> > > > > I was totally lost. So I don't know code.
>
> > > > >
>
> > > > > I might give your way a try there Ken. It would be cool when the wife
>
> > > > > drives I can send and receive code from the car while she listens to
>
> > > her
>
> > > > > talk radio.
>
> > > > >
>
> > > > > 73, WY6L
>
> > > > >
>
> > > > > From: Ken
>
> > > > > Sent: Thursday, December 29, 2011 5:20 AM

>
> > > > > To: ham-antennas@yahoogroups.com
>
> > > > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
>
> > > > >
>
> > > > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
>
> > > > >
>
> > > > > > 4) Set the learning charture speed at 18wpm so each letter is a sound
>
> > > > >
>
> > > > > I believe that different things work for different people.
>
> > > > >
>
> > > > > However, I highly recommend AGAINST the idea of learning with fast
>
> > > letters
>
> > > > > and wide spacing. Too many people are learning that way and never learn
>
> > > > > proper spacing and send really, really horrible CW. They can't send CW
>
> > > > > worth a darn!
>
> > > > >
>
> > > > > What worked for me: no machines, no tapes (I tried that and failed). I
>
> > > > > just mentally repeated to myself "di dah A di dah A" many times until I
>
> > > > > started thinking "A" automatically when I heard "di dah". Then another
>
> > > > > random letter from the alphabet, maybe "di dah di R", repeated many,
>
> > > many
>
> > > > > times. Again, that's what worked for me. Other approaches work for
>
> > > other
>
> > > > > people.
>
> > > > >
>

> > > > > But please, let's stay away from this characters at 18 wpm with
>
> > > spacing to
>
> > > > > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
>
> > > > > characters with spacing for 12 or 15 wpm. Please, no!
>
> > > > >
>
> > > > > Maybe they have done us a disservice by discontinuing the novice
>
> > > bands. It
>
> > > > > used to be that one knew where to find stations using slow CW: the 50
>
> > > kHz
>
> > > > > in the novice bands. Perhaps the ARRL and other organizations need to
>
> > > > > jointly recommend frequencies in each band for slow speed operation.
>
> > > > >
>
> > > > > 73,
>
> > > > > Ken WA8JXM
>
> > > > >
>
> > > > > [Non-text portions of this message have been removed]
>
> > > > >
>
> > > > > [Non-text portions of this message have been removed]
>
> > > > >
>
> > > > >
>
> > > > >
>
> > > >
>
> > > >
>
> > > >
>
> > > > --

>
> > > > Remember that when you think you have it all figured out... you wake up
>
> > > to
>
> > > > start all over again!
>
> > > > Trust yourself and MOST times you will not be disappointed
>
> > > >
>
> > > >
>
> > > > [Non-text portions of this message have been removed]
>
> > > >
>
> > >
>
> > >
>
> > >
>
> >
>
> >
>
> >
>
> > --
>
> > Remember that when you think you have it all figured out... you wake up to
>
> > start all over again!
>
> > Trust yourself and MOST times you will not be disappointed
>
> >
>
> >
>
> > [Non-text portions of this message have been removed]
>
> >
>
>
>
>
>

>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

21768. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:12:21 UTC
From: kb7gl
Topic: 21673 Message: 21768

Couldn't agree more -- a zip cord antenna/feed line works very well, and rolls-up into a tight little package to keep in my motorcycle saddlebag. The only connections are at the end of the feed line-- nothing to break. If I was backpacking, I might get rid of the insulation weight, but on the MC it's not a big deal.

Vic
KB7GL

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:

> Zip cord isn't gone or obsolete, it is a perfect back packing feedline and feedline antenna
> combination. It weighs less and will fold without having to observe a "bending radius" precaution.
> --
> Ron KA4INM

21769. Re: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:15:13 UTC
From: Ron Youvan
Topic: 21673 Message: 21769

Siegfried Dg9bfc Jackstien wrote:

> My understanding is that a dipole when fed with ladderline and used
> multiband then its name is a doublet

> A dipole is mostly a resonant thing and very often fed via a balun and coax
> (1:1 when centerfed, 1:4 or 1:6 when off-center fed)
> Multiband with fanned dipoles or traps

> A doublet is very often NOT resonant on any of the hambands but made a
> resonant system with the ladderline and the tuner

> And lamp cord is still available :-)

> But now we use ladderline instead of the lamp cord

> So the name doublet should not be thrown in a basket ... but used correctly

I believe in America, a doublet has always been simply a "center fed" dipole.
A dipole can be fed in any way and by any means.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21770. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:21:19 UTC
From: Ken
Topic: 21717 Message: 21770

But all of that was also true 50 years ago when the bands were more active. I'll give you that yes, there may be active hams that we don't hear on the air, but still, the HF bands are very lightly used today compared to 50 years ago.

The only band that I hear more use on today than 50 years ago is 160. Back then it was overrun with LORAN stations, we had very limited use and few rigs could operate on 160 (mostly Johnson equipment.)

Ken WA8JXM

On Dec 29, 2011, at 3:06 PM, Dan Schaaf wrote:

> It is not a requirement to be on the air regularly to be a ham. Many hams do experimentation, antenna design and testing instead of being on the air all the time. And many are into QRP SOTA, mountain Climbing, back packing, biking with their small radios. Many hams have a family and a life outside of the hobby, wives, kids, dogs, camping, sports etc etc.
> It is only the addicted ones like contesters and DXers like myself who are on the air all of the time.
>
> So, just because the bands seem quiet, doesn't mean that there is no ham activity of some sort.

21771. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:28:39 UTC
From: Dan Schaaf
Topic: 21717 Message: 21771

I worked VK3ZL on 160 today and heard XU7ACY. 160 is a listeners band since you spend most time listening for something.
It may be more active now than back then but this season has been a bust due to high SFI keeping the D Layer into absorbtion mode all night

Personally, I do not lament at the lack of use of the bands. It makes it easier to find a clear spot, although this cycle, 12 and 10 have been busy.

One of my favorite bands is 60 meters.
I have WAS on 60 and 61 countries on 60.

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: Ken
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 3:21 PM
Subject: Re: [ham-antennas] Re: "dumming down" "code info"

But all of that was also true 50 years ago when the bands were more active. I'll give you that yes, there may be active hams that we don't hear on the air, but still, the HF bands are very lightly used today compared to 50 years ago.

The only band that I hear more use on today than 50 years ago is 160. Back then it was overrun with LORAN stations, we had very limited use and few rigs could operate on 160 (mostly Johnson equipment.)

Ken WA8JXM

On Dec 29, 2011, at 3:06 PM, Dan Schaaf wrote:

> It is not a requirement to be on the air regularly to be a ham. Many hams do experimentation, antenna design and testing instead of being on the air all the time. And many are into QRP SOTA, mountain Climbing, back packing, biking with their small radios. Many hams have a family and a life outside of the hobby, wives, kids, dogs, camping, sports etc etc.
> It is only the addicted ones like contesters and DXers like myself who are on the air all of the time.
>
> So, just because the bands seem quiet, doesn't mean that there is no ham activity of some sort.

[Non-text portions of this message have been removed]

21772. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 20:40:33 UTC
From: Ron Youvan
Topic: 21717 Message: 21772

Ernie Rice wrote:

> Ham radio is a dieing entity! Look at the average age of ham radio
> operators. We can't get new people because of the following reasons
> 1) No one wants to help them get started
> 2) Cost of good gear
> 3) cell phones
> 4) video games
> 5) No one will help them (o wait I said that)
> Just one persons view

Make that two, I help when I can, I had a terrible time finding help.
Good gear is cheep, just not new. Everything else is quite valid.

Not everyone would ever want to become a HAM. Showing HAM radio at schools and to scouts* is
imperative. There is a (US) HAM radio program for scouts.
* girls and boys
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21773. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 21:16:23 UTC
From: Paul V Birke PEng
Topic: 21717 Message: 21773

the numbers are increasing but maybe leveling off over next years---seems to be a hint of that but otherwise good news

best wishes
Paul VE3PVB

From: urei <ureii@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 2:17:55 PM
Subject: [ham-antennas] Re: "dumming down" "code info"

I said the source of my numbers. You just saw only what you wanted to.

--- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
>
> Say the source of these numbers! I can make them look the other way!
>
> On Thu, Dec 29, 2011 at 1:44 PM, urei <ureii@...> wrote:
>
> > **
> >
> >
> > OK. Here ya go:
> >
> > Is ham radio growing?
> >
> > Look at the numbers!
> >
> > At the end of 2010 there were 696,041 Amateur Radio licensees in the USA.
> >
> > Here are the past totals for the USA:
> >
> > 2010 – 696,041
> >
> > 2009 - 682,497
> >
> > 2008 - 663,564
> >
> > 2007 - 655,842
> >
> > 2006 - 656,068
> >
> > 2005 - 662,600
> >
> > Also important...

> >
> > Higher percentages of Amateur Radio licensees are going far beyond the
> > initial Technician Class license and earning General or even Amateur Extra
> > Class licenses.
> >
> > The numbers were steadily declining until '07 when the code requirement
> > was dropped.
> > These figures are from the ARRL.
> >
> > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
> > >
> > > Back up your facts with number! I don't see it!
> > >
> > > Ernie
> > >
> > > On Thu, Dec 29, 2011 at 10:19 AM, urei <ureii@> wrote:
> > >
> > > > **
> > > >
> > > >
> > > > Ernie,
> > > > You are certainly entitled to your opinion, factual or otherwise.
> > > > Fact is, the number of hams in the US has been increasing. I don't
> > think
> > > > that's a sign of a dying entity. The age of operators is, in my
> > opinion,
> > > > irrelevant. We've always been a bunch of old fuds no matter what ages
> > we
> > > > are.
> > > > I don't think "nobody wants to help them get started". I think there
> > are
> > > > not enough Elmers out here. Remember, though, we're ALL Elmers at least
> > > > potentially. If you wish to preserve your beloved hobby, get out there
> > and
> > > > do it. You don't like "appliance operators"? It's uo to YOU to teach
> > them
> > > > so they'll know what they're doing.
> > > > The cost of "good gear" is another matter. We all know you can put a
> > > > perfectly viable station on the air for next to nothing. If you're
> > focused
> > > > on keeping up with the Joneses, it'll cost you some money.
> > > > We have to set a good example for prospective and new ops. We need to
> > > > emphasize that you don't need a KW to ragchew 300 miles on 75 meters. A
> > > > well-operated FT-101 is indistinguishable from an FT-2000 on the
> > receiving
> > > > end and costs a lot less.
> > > > As for cell phones and video gear, I have both and they don't stop me
> > from
> > > > operating. I elmered a "gamer" a few years ago and he's now immersed in
> > > > hamming. He operates more than I do! CW too.

> > > > I think a lot of old-timers need to change their attitudes about the
> > FNG's
> > > > to make ham radio more welcoming to them.
> > > > That's MY opinion! 73
> > > >
> > > >
> > > > --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
> > > > >
> > > > > Ham radio is a dieing entity! Look at the average age of ham radio
> > > > > operators. We can't get new people because of the following reasons
> > > > > 1) No one wants to help them get started
> > > > > 2) Cost of good gear
> > > > > 3) cell phones
> > > > > 4) video games
> > > > > 5) No one will help them (o wait i said that)
> > > > > Just one persons view
> > > > >
> > > > > Ernie
> > > > >
> > > > > On Thu, Dec 29, 2011 at 8:25 AM, dean <deanf@> wrote:
> > > > >
> > > > > > **
> > > > > >
> > > > > >
> > > > > > I have a Great Nephew studying for his test. I told him if he could
> > > > learn
> > > > > > code then he can get on 15, 40 and 80 meters and it won't wake his
> > > > parents
> > > > > > if he's doing it late at night. I think code is great and if I
> > could
> > > > learn
> > > > > > it I'd be on the air with it only.
> > > > > >
> > > > > > The last time I tried code I'd say the ditty ditty dah dah's out
> > loud
> > > > till
> > > > > > the wife told me to shut up. When the tape went into a fast flurry
> > of
> > > > code
> > > > > > I was totally lost. So I don't know code.
> > > > > >
> > > > > > I might give your way a try there Ken. It would be cool when the
> > wife
> > > > > > drives I can send and receive code from the car while she listens
> > to
> > > > her
> > > > > > talk radio.
> > > > > >
> > > > > > 73, WY6L
> > > > > >

> > > > > > From: Ken
> > > > > > Sent: Thursday, December 29, 2011 5:20 AM
> > > > > > To: ham-antennas@yahoogroups.com
> > > > > > Subject: Re: [ham-antennas] Re: "dumming down" "code info"
> > > > > >
> > > > > > On Dec 29, 2011, at 7:52 AM, doug pfaff wrote:
> > > > > >
> > > > > > > 4) Set the learning charture speed at 18wpm so each letter is a
> > sound
> > > > > >
> > > > > > I believe that different things work for different people.
> > > > > >
> > > > > > However, I highly recommend AGAINST the idea of learning with fast
> > > > letters
> > > > > > and wide spacing. Too many people are learning that way and never
> > learn
> > > > > > proper spacing and send really, really horrible CW. They can't
> > send CW
> > > > > > worth a darn!
> > > > > >
> > > > > > What worked for me: no machines, no tapes (I tried that and
> > failed). I
> > > > > > just mentally repeated to myself "di dah A di dah A" many times
> > until I
> > > > > > started thinking "A" automatically when I heard "di dah". Then
> > another
> > > > > > random letter from the alphabet, maybe "di dah di R", repeated
> > many,
> > > > many
> > > > > > times. Again, that's what worked for me. Other approaches work for
> > > > other
> > > > > > people.
> > > > > >
> > > > > > But please, let's stay away from this characters at 18 wpm with
> > > > spacing to
> > > > > > bring it down to 5 wpm! Please don't put that on the air! Or 25 wpm
> > > > > > characters with spacing for 12 or 15 wpm. Please, no!
> > > > > >
> > > > > > Maybe they have done us a disservice by discontinuing the novice
> > > > bands. It
> > > > > > used to be that one knew where to find stations using slow CW: the
> > 50
> > > > kHz
> > > > > > in the novice bands. Perhaps the ARRL and other organizations need
> > to
> > > > > > jointly recommend frequencies in each band for slow speed
> > operation.
> > > > > >
> > > > > > 73,
> > > > > > Ken WA8JXM

> > > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > > > > [Non-text portions of this message have been removed]
> > > > > >
> > > > > >
> > > > > >
> > > > >
> > > > >
> > > > >
> > > > > --
> > > > > Remember that when you think you have it all figured out... you wake
> > up
> > > > > to
> > > > > start all over again!
> > > > > Trust yourself and MOST times you will not be disappointed
> > > > >
> > > > >
> > > > > [Non-text portions of this message have been removed]
> > > > >
> > > >
> > > >
> > > >
> > > > --
> > > > Remember that when you think you have it all figured out... you wake up
> > > to
> > > > start all over again!
> > > > Trust yourself and MOST times you will not be disappointed
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> > >
> > >
> >
> >
> >
> > --
> > Remember that when you think you have it all figured out... you wake up to
> > start all over again!
> > Trust yourself and MOST times you will not be disappointed
> >
> >
> > [Non-text portions of this message have been removed]
> >

[Non-text portions of this message have been removed]

21774. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 21:17:51 UTC
From: Ralph Apache
Topic: 21717 Message: 21774

I have been teaching some new HAMS and a 9 of them are Ladies past their 60's willing to learn. And I will gladly teach them no matter what age. I may not have the expertise as everyone else. But I can at least have the privilege to teach and learn. Numbers means nothing. It is the doing.

Sent from my iPhone
v/r Ralph
WH7PD

21775. Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 21:34:47 UTC
From: Larry Tooley
Topic: 21673 Message: 21775

Yes, I was thinking of a folded dipole---thanks for reminding me.
----- Original Message -----
From: ka9egw@...
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 1:58 PM
Subject: Re: [ham-antennas] G5RV vs 30m .64wave extend double zep.

If the outer ends are connected, it's a folded dipole, if not it's a sort
of fan dipole, and the 'cage effect' of the doubled elements should
broardband it...somewhat...

I'm guessing you meant this:

=====||=====

not this:
|=====||=====|

73, Brian KA9EGW
> Larry WA9GUU Tooley wrote:
>
>> EEEEEeks! The drawing failed. My version of the doublet was supposed to
>> show a regular center fed half wave dipole, only two parallel lines
form
>> each 1/4 wave side. This makes it broad-band. Is my thinking correct?
>
> This and possibly most YAHOO groups throwaway excessive spaces in every
> post.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>

>
>
>

[Non-text portions of this message have been removed]

21776. Re: AW: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 21:44:38 UTC
From: Ron Youvan
Topic: 21673 Message: 21776

Ken WA8JXM wrote:

> On Dec 29, 2011, at 10:49 AM, siegfried jackstien wrote:
>
> > Zepp = endfed dipole fed via quarterwave ladderline transformer
>
> I agree 100%. Well, wait a minute, end fed with open wire, I agree. But I wouldn't call it a
> "dipole" since it doesn't have TWO (di-pole) sections. And I don't know that it needs a quarter wave
> transformer. Originally transmitters used link coupling and could match high impedance balanced
> feedlines.

The "Zep" is an end fed dipole, it can be fed with anything including "Zip cord." It's not the
materials it's the nature of the feed.
It is a dipole because both "poles" are on the wire at the same time. (One complete sine wave.)
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21777. Re: [ham-antennas] Re: Can You Answer This Question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 21:45:53 UTC
From: Larry Tooley
Topic: 21658 Message: 21777

OMG I think I better read the old posts some more. You are right. SWR does not mean the feedline is radiating if it's balanced, right?
----- Original Message -----
From: siegfried jackstien
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 6:25 AM
Subject: AW: [ham-antennas] Re: Can You Answer This Question?

Open wire feeder if properly balanced does NOT radiate
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Im
> Auftrag von Larry Tooley
> Gesendet: Donnerstag, 29. Dezember 2011 07:09
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Can You Answer This Question?
>
>
>
> Since the feedline radiates, I think it offers a low angle vertical
signal
> good for DX.
> ----- Original Message -----
> From: Ken
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Sent: Wednesday, December 28, 2011 10:18 AM
> Subject: Re: [ham-antennas] Re: Can You Answer This Question?
>
> A center fed 80m half wave fed with open wire is an excellent antenna
for
> all bands, 80 through 6, assuming you have a proper antenna tuner or a
> transmitter that will match it.
>
> Don't confuse antenna efficiency with directivity. They are not the
same.
> An 80m center fed dipole fed with open wire on 20m will be more
> "efficient"
> than a 4 element Yagi. Yes, a Yagi will direct more energy in a specific
> direction, but will radiate less total power than a dipole. It just
> directs
> the power, but at a cost.
>

> Of course a Yagi will not work across all bands because the parasitic
> elements need resonance of their own.
>
> As to your statement that a 40m dipole on 20m will operate terribly,
again
> I suggest you read the ARRL Handbook or the ARRL Antenna Book and look
up
> "Two half waves in phase" antenna. It's a great antenna and the basis of
> beams like the Lazy-H, and the 8JK (designed by John Kraus, the author
of
> "Antennas" probably the best professional classic antenna book).
>
> As for as capacitors arcing over in a final amplifier, that is not an
> indication of lack of efficiency, but rather the transmitter not being
> designed to handle high impedance loads. The classic Johnson Viking II
> transmitter will load virtually any antenna without arcing or overload.
>
> Oh, one other point: many antennas (perhaps most) operate perfectly fine
> without being "resonant". Most AM broadcast antennas are not "resonant"
> but
> rather are designed to operate above their point of resonance in order
to
> better direct their power.
>
> Do not confuse an apparent low SWR with resonance. They are not the
same.
>
> Ken WA8JXM
>
> On Dec 28, 2011, at 10:00 AM, Ron Youvan wrote:
>
> > "it will be reflected back and forth until it is radiated, just like
an
> antenna on it's
> > fundamental frequency"
> >
> > I respectfully disagree. If it were all radiated eventually, there
would
> be no need to resonate
> > an antenna at our operating frequency. Your 40 meter dipole would work
> just as well at 6 meters as
> > an antenna designed to operate on 6 meters, (all Yagi's would cover
160
> to 6 meters) this is not so.
> > The source of RF (transmitter via any tuning equipment in use) is a
lot
> closer to the impedance of
> > the transmission line than a 40 meter dipole fed with 20 meter energy,
> so it will only reflect some
> > of the energy. It will dissipate much of it.

> > If you feed a high power tube amplifier that is properly operating at
20
> meters into a 20 meter,
> > antenna into a 40 meter dipole and it will arc at it's tuning
capacitor
> and generate a great deal of
> > heat. If you feed a transistor amplifier (such as your transceiver's
> output amplifier) with the
> > "fold back" disabled you will *melt* the output transistors.
> > The transmitter will absorb much more reflected power (from the wrong
> antenna) than a 20 meters
> > signal feeding a 40 meter dipole. (the wrong antenna)
> > Some energy will leak out and be radiated, but not much, not enough
for
> you to think everything
> > is fine.
>
> [Non-text portions of this message have been removed]
>
>
>
>

[Non-text portions of this message have been removed]

21778. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 22:02:25 UTC
From: Dale H. Cole K8TS
Topic: 21717 Message: 21778

IMHO;

When I last counted my "in box"; I lost track of this thread in the20 plus coments. I thought this was a format for antenna conversation. Please guy and gals......my delete finger is sore. These very same comments were said about cw, the internet, even if I remember right, ssb .

Mister moderator--can you step in......or am I wrong in my opinion.......Just MY 2¢

Dale H. Cole K8TS

Jackson, MI

k9ttt@comcast.net

----- Original Message -----

From: "Ralph Apache" <apache007@yahoo.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 4:17:51 PM
Subject: [ham-antennas] Re: "dumming down" "code info"

I have been teaching some new HAMS and a 9 of them are Ladies past their 60's willing to learn. And I will gladly teach them no matter what age. I may not have the expertise as everyone else. But I can at least have the privilege to teach and learn. Numbers means nothing. It is the doing.

Sent from my iPhone
v/r Ralph
WH7PD

[Non-text portions of this message have been removed]

21779. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 22:08:37 UTC
From: DVC3565@aol.com
Topic: 21717 Message: 21779

Dale,
Me thinks the moderator's are on holiday break. I haven't said
anything YET..because
I am still trying to be in the holiday spirit. But! there are other groups
for just THIS kind
of stuff! I sure hope on of the moderator's get's back soon..as my lip is
sore from biting
it. Please GUY'S, before you get moderated...kill this thread.
73,
Dave-KJ4PF

In a message dated 12/29/2011 5:02:47 P.M. Eastern Standard Time,
k9ttt@comcast.net writes:

IMHO;

When I last counted my "in box"; I lost track of this thread in the20 plus
coments. I thought this was a format for antenna conversation. Please
guy and gals......my delete finger is sore. These very same comments were
said about cw, the internet, even if I remember right, ssb .

Mister moderator--can you step in......or am I wrong in my
opinion.......Just MY 2¢

Dale H. Cole K8TS

Jackson, MI

[Non-text portions of this message have been removed]

21780. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 22:11:38 UTC
From: Ernie Rice
Topic: 21717 Message: 21780

If a list is NOT open to other ideas about the hobby then what is it worth?

On Thu, Dec 29, 2011 at 2:02 PM, Dale H. Cole K8TS <k9ttt@...>wrote:

> **
>
>
>
>
> IMHO;
>
> When I last counted my "in box"; I lost track of this thread in the20 plus
> coments. I thought this was a format for antenna conversation. Please guy
> and gals......my delete finger is sore. These very same comments were said
> about cw, the internet, even if I remember right, ssb .
>
> Mister moderator--can you step in......or am I wrong in my
> opinion.......Just MY 2?
>
> Dale H. Cole K8TS
>
> Jackson, MI
>
> k9ttt@...
>
> ----- Original Message -----
>
> From: "Ralph Apache" <apache007@...>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, December 29, 2011 4:17:51 PM
> Subject: [ham-antennas] Re: "dumming down" "code info"
>
>
>
>
> I have been teaching some new HAMS and a 9 of them are Ladies past their
> 60's willing to learn. And I will gladly teach them no matter what age. I
> may not have the expertise as everyone else. But I can at least have the
> privilege to teach and learn. Numbers means nothing. It is the doing.
>
> Sent from my iPhone
> v/r Ralph
> WH7PD
>
> [Non-text portions of this message have been removed]
>

>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21781. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 22:28:35 UTC
From: AB2ZY
Topic: 21717 Message: 21781

--- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
>
> If a list is NOT open to other ideas about the hobby then what is it worth?

Anything and everything about ham antennas.

Al
AB2ZY

21782. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 22:34:01 UTC
From: urei
Topic: 21717 Message: 21782

I'd still like for somebody to explain to me what's so terrible about an off-topic thread.
My wife belongs to a group with a very specific topic but off topics are accepted and sometimes pretty extensive.
The moon hasn't fallen out of the night sky and the seas haven't dried up. What's so awful?

--- In ham-antennas@yahoogroups.com, "AB2ZY" <akozak@...> wrote:
>
> --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@> wrote:
> >
> > If a list is NOT open to other ideas about the hobby then what is it worth?
>
> Anything and everything about ham antennas.
>
> Al
> AB2ZY
>

21783. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 22:54:15 UTC
From: pchapman920
Topic: 21717 Message: 21783

I could not help but respond to this thread, and there may be some fellow members of my club here. I was a member of this club when it was shrinking and dying, and not really interesting. This club is now thriving like never before, and is interesting. Read the story. Last meeting I attended I could hold and examine radios and antenna parts that were prototype or backup to the first satellites in space.

http://nfarl.org/phoenix/

A very active Yahoo group that lets members put their gear for sale there....courtesy takes follow-up elsewhere...etc. Seen plenty of good solid state gear there for sale at really low prices I could go operate before buying, way better than unknown ebay stuff.

They do scouts.

They reply to help with antenna hanging, or any other issue technical, very technical or not.

They have weekly tech-net open to all on echo-link with background chat session, on Monday nights

They have a weekly 2 meter youth net.

Cram-Jam full day session for licensing.

Almost monthly VE sessions close to home. Made my Extra upgrade with one missed question a breeze, not having to drive more than 5 miles. Took the test on Saturday of Field Day Weekend. They expected poor attendance, the room was packed almost to capacity. Most were General or Extra test takers, across all age groups.

YUP, the hobby is dying, everywhere you do not have a true community club like this one has turned around to be.

Exception, yes, rule no....why not?

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Ernie Rice wrote:
>
> > Ham radio is a dieing entity! Look at the average age of ham radio
> > operators. We can't get new people because of the following reasons
> > 1) No one wants to help them get started
> > 2) Cost of good gear
> > 3) cell phones
> > 4) video games
> > 5) No one will help them (o wait I said that)
> > Just one persons view
>
> Make that two, I help when I can, I had a terrible time finding help.

> Good gear is cheep, just not new. Everything else is quite valid.
>
> Not everyone would ever want to become a HAM. Showing HAM radio at schools and to scouts* is
> imperative. There is a (US) HAM radio program for scouts.
> * girls and boys
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

21784. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 22:56:06 UTC
From: AB2ZY
Topic: 21717 Message: 21784

--- In ham-antennas@yahoogroups.com, "urei" <ureii@...> wrote:
>
> I'd still like for somebody to explain to me what's so terrible about an off-topic thread. My wife belongs to a group with a very specific topic but off topics are accepted and sometimes pretty extensive.
> The moon hasn't fallen out of the night sky and the seas haven't dried up. What's so awful?

Nothing necessarily, but that's not the point. The idea that this group is not good for anything if it's not open to anything ham radio related is what's moronic.

Between eham, qrz, contesting.com, Yahoo and the General class portion of 75m, there are literally thousands of places to hang out and socialize. I, for one, don't mind the occasional diversion as long as it doesn't become the norm and drown out the real purpose of the forum.

This group, IMO, is more welcoming to the novice than tower talk and many of the other antenna related forums. As a result, it tends to be a bit repetitive and less technically sophisticated. THAT'S OK! It's a valuable resource as-is and I'd hate to see the SNR drop to zero.

Al
AB2ZY

21785. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 23:14:21 UTC
From: Ernie Rice
Topic: 21717 Message: 21785

What? Lists need to open to all aspects of the hobby!

On Thu, Dec 29, 2011 at 5:28 PM, AB2ZY <akozak@...> wrote:

> **
>
>
> --- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
> >
> > If a list is NOT open to other ideas about the hobby then what is it
> worth?
>
> Anything and everything about ham antennas.
>
> Al
> AB2ZY
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21786. Re: G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 23:21:52 UTC
From: fred
Topic: 21673 Message: 21786

removing the insulation from zip wire would not reduce the weight much . all that would happen is that you would have a tangled mess to unravel everytime you wanted to use it . the wire strands also tend to want to separate by themselves . I used to have a fan diploe made with the old radio shack wire kits , bout the only useful item they had the last few years until they discontinued it . I kept it neatly coiled up and tied as it only got used on field day , everytime I went to use it and untied the coils to hang it , it took 45 minutes to untangle and separate the 6 wires . replaced them with 14 gauge automotive primary wire and solved that problem .
kd5pnt

--- In ham-antennas@yahoogroups.com, "kb7gl" <vic.owen@...> wrote:
>
> Couldn't agree more -- a zip cord antenna/feed line works very well, and rolls-up into a tight little package to keep in my motorcycle saddlebag. The only connections are at the end of the feed line-- nothing to break. If I was backpacking, I might get rid of the insulation weight, but on the MC it's not a big deal.
>
> Vic
> KB7GL
>
> --- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@> wrote:
>
> > Zip cord isn't gone or obsolete, it is a perfect back packing feedline and feedline antenna
> > combination. It weighs less and will fold without having to observe a "bending radius" precaution.
> > --
> > Ron KA4INM
>

21787. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 23:22:51 UTC
From: Artekmedia
Topic: 21717 Message: 21787

What is "so terrible" is that It is just plain poor etiquette and bad manners....there are plenty of other more appropriate forums if you want to rant about no code licensing and the like

The stated purpose on the group home web page in RED LETTERS says basically "anything about antennas" That pretty much leaves out politics, religion, building power amplifiers, low noise preamps, organic gardening and the state of the amateur radio community at large.

Sort of like calling the dx station on his frequency repeatedly when he says "up"

In the mean time i will continue to wear out the letters on my keyboard "DELETE" key, I pity however the poor blokes who have to read this forum with a dial up modem

73
Dave
NR1DX

On 12/29/2011 4:34 PM, urei wrote:
>
> I'd still like for somebody to explain to me what's so terrible about
> an off-topic thread. My wife belongs to a group with a very specific
> topic but off topics are accepted and sometimes pretty extensive.
> The moon hasn't fallen out of the night sky and the seas haven't dried
> up. What's so awful?
>
> --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, "AB2ZY" <akozak@...> wrote:
> >
> > --- In ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>, Ernie Rice <ranger2995@> wrote:
> > >
> > > If a list is NOT open to other ideas about the hobby then what is
> it worth?
> >
> > Anything and everything about ham antennas.
> >
> > Al
> > AB2ZY
> >
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21788. RE: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 23:37:29 UTC
From: Gary H. Harmon, Jr.
Topic: 21717 Message: 21788

Moderator input.....Off topic discussions that are HAM radio related work sometimes in the short term because they usually die a natural death. This group is for antenna related topics but sometimes we moderators let the topics waver off course. Unfortunately, we sometimes have to step in and return normality to the group. Now is the time. Back to antenna related topics please. Take the other topics offline or to another list that allows off topic discussions.

Vr,

Gary H. Harmon, Jr. - K5JWK ---------- Moderator2

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c

"Retirement means every day is a Saturday, except Sunday".

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Artekmedia
Sent: Thursday, December 29, 2011 5:23 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down" "code info"

What is "so terrible" is that It is just plain poor etiquette and bad manners....there are plenty of other more appropriate forums if you want to rant about no code licensing and the like

The stated purpose on the group home web page in RED LETTERS says basically "anything about antennas" That pretty much leaves out politics, religion, building power amplifiers, low noise preamps, organic gardening and the state of the amateur radio community at large.

Sort of like calling the dx station on his frequency repeatedly when he says "up"

In the mean time i will continue to wear out the letters on my keyboard "DELETE" key, I pity however the poor blokes who have to read this forum with a dial up modem

73
Dave
NR1DX

On 12/29/2011 4:34 PM, urei wrote:
>

> I'd still like for somebody to explain to me what's so terrible about
> an off-topic thread. My wife belongs to a group with a very specific
> topic but off topics are accepted and sometimes pretty extensive.
> The moon hasn't fallen out of the night sky and the seas haven't dried
> up. What's so awful?
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>, "AB2ZY" <akozak@...> wrote:
> >
> > --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>, Ernie Rice <ranger2995@> wrote:
> > >
> > > If a list is NOT open to other ideas about the hobby then what is
> it worth?
> >
> > Anything and everything about ham antennas.
> >
> > Al
> > AB2ZY
> >
>
>

--
Dave& Lynn Henderson
Manuals@... <mailto:Manuals%40ArtekMedia.com>
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21789. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 23:57:10 UTC
From: kd8phx
Topic: 21717 Message: 21789

Hi Don,
Some people just aren't happy unless they are complaining. I take these posts like rag chewing, ie- not too seriously. But still I wonder, like you, why these complainers don't spend more time on doing positive stuff.
73 -Bob V

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> This hobby seems to be riddled with negativity.
>
> Anyone in this argument trying to defend the positive numbers is wasting his....

>TRIMMED like other should be doing...<

Didja catch my complaint? ;-)

73 again - Bob V

21790. Re: G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-29 23:57:48 UTC
From: kb7gl
Topic: 21673 Message: 21790

Fred - I wasn't inferring that one should remove the insulation from zip cord -- if backpacking, I would use an antenna made from spooled solid magnet wire or something similar - zip cord would be excess weight. Every ounce counts, when on one's back -- in my saddlebags, not so much.

-Vic

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> removing the insulation from zip wire would not reduce the weight much . all that would happen is that you would have a tangled mess to unravel everytime you wanted to use it . the wire strands also tend to want to separate by themselves .

21791. Re: AW: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 00:12:27 UTC
From: Ken
Topic: 21673 Message: 21791

On Dec 29, 2011, at 4:44 PM, Ron Youvan wrote:

> The "Zep" is an end fed dipole, it can be fed with anything including "Zip cord." It's not the
> materials it's the nature of the feed.
> It is a dipole because both "poles" are on the wire at the same time. (One complete sine wave.)

Sorry but no.

The Zepp goes back to the Zepplins and what they used was open wire feed. Of course people can call a fish a cow if they want to, but that doesn't make it easy to communicate. And as I mentioned earlier, I've even seen the Handbook call a centerfed antenna a Zepp. As long as everybody wants their own definitions to be flexible, nobody will know what they are talking about.

And there is NOT a "complete sine wave" on a half wavelength antenna, you need a full wavelength for a full sine wave.

Ken
WA8JXM

21792. Re: AW: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 00:34:09 UTC
From: Larry Banks
Topic: 21673 Message: 21792

I always thought that a "real" Zepp -- first used on the Zeppelins and trailed out of their cockpit -- is a half-wave dipole end-fed with a quarter-wave matching section. This is the origin of the J-Pole design. Of course, they were rather long in the Zeppelin days, below 200 Meters.

73 -- Larry -- W1DYJ

----- Original Message -----
From: Ken
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 7:12 PM
Subject: Re: AW: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

On Dec 29, 2011, at 4:44 PM, Ron Youvan wrote:

> The "Zep" is an end fed dipole, it can be fed with anything including "Zip cord." It's not the
> materials it's the nature of the feed.
> It is a dipole because both "poles" are on the wire at the same time. (One complete sine wave.)

Sorry but no.

The Zepp goes back to the Zepplins and what they used was open wire feed. Of course people can call a fish a cow if they want to, but that doesn't make it easy to communicate. And as I mentioned earlier, I've even seen the Handbook call a centerfed antenna a Zepp. As long as everybody wants their own definitions to be flexible, nobody will know what they are talking about.

And there is NOT a "complete sine wave" on a half wavelength antenna, you need a full wavelength for a full sine wave.

Ken
WA8JXM

[Non-text portions of this message have been removed]

21793. AW: AW: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 00:32:43 UTC
From: siegfried jackstien
Topic: 21673 Message: 21793

And the zep is fed via quarterwave transformer of ladderline to get the highvoltage (and so dangerous for gasses) point some meters away from the zeppelin
Dg9bfc
sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Ken
> Gesendet: Freitag, 30. Dezember 2011 00:12
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double
> zep.
>
>
>
>
> On Dec 29, 2011, at 4:44 PM, Ron Youvan wrote:
>
> > The "Zep" is an end fed dipole, it can be fed with anything including
> "Zip cord." It's not the
> > materials it's the nature of the feed.
> > It is a dipole because both "poles" are on the wire at the same time.
> (One complete sine wave.)
>
> Sorry but no.
>
> The Zepp goes back to the Zepplins and what they used was open wire feed.
> Of course people can call a fish a cow if they want to, but that doesn't
> make it easy to communicate. And as I mentioned earlier, I've even seen
> the Handbook call a centerfed antenna a Zepp. As long as everybody wants
> their own definitions to be flexible, nobody will know what they are
> talking about.
>
> And there is NOT a "complete sine wave" on a half wavelength antenna, you
> need a full wavelength for a full sine wave.
>
> Ken
> WA8JXM
>
>

21794. Off topic subjects

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 00:40:39 UTC
From: Robert Costa, KB6QXM
Topic: 21794 Message: 21794

Group,

As I do believe that this group should be mostly for antennas, a good debate is good for people to express their ideas and feelings about things that are all about ham radio.

If there is no tolerance for open discussion, then that is a passive censorship to me. I agree that the thread should be stopped, but I also believe that there should be a Yahoo group where open discussion no matter how much disagreement between the members.

If there is one, let me know the name, if there is not one, I will start one and invite you to check it out.

73,
Robert
KB6QXM
"Ham Radio is for people that have copious spare time"

[Non-text portions of this message have been removed]

21795. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 00:41:53 UTC
From: Dan Schaaf
Topic: 21717 Message: 21795

Because positive stuff might result in a positive outcome. Something that a few people are not familiar with

Best Regards
Dan Schaaf
K3ZXL www.k3zxl.com

"Problems cannot be solved by the same level of thinking that created them." - Albert Einstein

----- Original Message -----
From: kd8phx
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 6:57 PM
Subject: [ham-antennas] Re: "dumming down" "code info"

Hi Don,
Some people just aren't happy unless they are complaining. I take these posts like rag chewing, ie- not too seriously. But still I wonder, like you, why these complainers don't spend more time on doing positive stuff.
73 -Bob V

--- In ham-antennas@yahoogroups.com, "Dan Schaaf" <dan-schaaf@...> wrote:
>
> This hobby seems to be riddled with negativity.
>
> Anyone in this argument trying to defend the positive numbers is wasting his....

>TRIMMED like other should be doing...<

Didja catch my complaint? ;-)

73 again - Bob V

[Non-text portions of this message have been removed]

21796. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 00:51:33 UTC
From: kd8bbk@aol.com
Topic: 21717 Message: 21796

You just can't make some people happy. They find comfort and joy in complaining and holding grudges. Happy new year to all and hope to see you all on SKN.
Tony KD8BBK

21797. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 00:52:17 UTC
From: DVC3565@aol.com
Topic: 21717 Message: 21797

For ALL of you that "over looked" the Moderator's post of 75 minutes ago.
Dave

In a message dated 12/29/2011 6:37:46 P.M. Eastern Standard Time,
gharmon@... writes:

Moderator input.....Off topic discussions that are HAM radio related
work
sometimes in the short term because they usually die a natural death. This
group is for antenna related topics but sometimes we moderators let the
topics waver off course. Unfortunately, we sometimes have to step in and
return normality to the group. Now is the time. Back to antenna related
topics please. Take the other topics offline or to another list that allows
off topic discussions.

Vr,

Gary H. Harmon, Jr. - K5JWK ---------- Moderator2

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c

"Retirement means every day is a Saturday, except Sunday".

[Non-text portions of this message have been removed]

21798. Re: [ham-antennas] G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 01:09:32 UTC
From: Frank Kirschner
Topic: 21673 Message: 21798

John,

I have a 102-ft doublet (same length as a full-sized G5RV) fed with 100 feet of 450-ohm ladder line (although the length doesn't matter) connected to a wide-range tuner (MFJ-998). It tunes 80 to 6 meters quite well except for 15, which is OK on the low end of the band, but unusable over 21.1.

It works quite well on 40, 30, and 20. I've worked lots of DX on these bands, as well as local and medium-distance stations.

By shorting the ladder line leads and working against long radials, it also loads on 160.

If you have the room, try it. MFJ sells one for about what the ladder line would cost from most suppliers.

73,
Frank
KF6E

On Wed, Dec 28, 2011 at 8:08 AM, ko1hqrp <ko1h@...> wrote:

> **
>
>
> Hi All Likely to be replacing my current Windom with a Doublet.
> Considering the following. G5rv a proven performer is 51ft on a side with
> the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the
> odd LL. Can I have some opinions on how this will play as a mulitband
> antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of
> interest for this antenna. Let me know what yall think.
>
> de John ko1h
>

[Non-text portions of this message have been removed]

21799. Re: AW: AW: AW: [ham-antennas] G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 01:13:53 UTC
From: Ron Youvan
Topic: 21673 Message: 21799

Larry W1DYJ Banks wrote:

> I always thought that a "real" Zepp -- first used on the Zeppelins and trailed out of their cockpit
> -- is a half-wave dipole end-fed with a quarter-wave matching section. This is the origin of the
> J-Pole design. Of course, they were rather long in the Zeppelin days, below 200 Meters.

You are correct, a Zepp is a half wavelength long antenna (dipole) fed at one end with an "impedance inverting quarter wavelength long transmission line." Much like a "J" pole antenna,
except in the "J" pole antenna the "impedance inverting quarter wavelength long transmission line"
has a shorted end, and a elevated feed point allowing precise impedance matching.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21800. Re: [ham-antennas] Off topic subjects

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 01:22:56 UTC
From: Ernie Rice
Topic: 21794 Message: 21800

You go Robert! When you do let me know !! I will be there!

Ernie

On Thu, Dec 29, 2011 at 4:40 PM, Robert Costa, KB6QXM <kb6qxm@...>wrote:

> **
>
>
> Group,
>
> As I do believe that this group should be mostly for antennas, a good
> debate is good for people to express their ideas and feelings about things
> that are all about ham radio.
>
> If there is no tolerance for open discussion, then that is a passive
> censorship to me. I agree that the thread should be stopped, but I also
> believe that there should be a Yahoo group where open discussion no matter
> how much disagreement between the members.
>
> If there is one, let me know the name, if there is not one, I will start
> one and invite you to check it out.
>
> 73,
> Robert
> KB6QXM
> "Ham Radio is for people that have copious spare time"
>
> [Non-text portions of this message have been removed]
>
>
>

--
Remember that when you think you have it all figured out... you wake up to
start all over again!
Trust yourself and MOST times you will not be disappointed

[Non-text portions of this message have been removed]

21801. [ham-antennas]"dumming down" per moderator

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 02:43:28 UTC
From: van wd8aam
Topic: 21717 Message: 21801

>Let's get back to on-topic
>discussions please fellows.

Thank You
Van Lincoln
moderator

21802. Started new group

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 02:48:08 UTC
From: kb6qxm
Topic: 21802 Message: 21802

All,

Thanks to the back and forth of many off topics, I believed it was time to start a new group where open conversation about anything ham radio, good or bad will be allowed. The name of the new group is called Ham Radio Open Conversation. This will be a place for you to openly discuss ANYTHING ham radio and on occasion off topic.

Everyone has an opinion.

This group is open to discuss ANYTHING about ham radio. This group will be open to discuss Ham radio in the past, Ham radio presently and opinions of what ham radio will be in the future based on observations.

I believe in free speech. You can discuss anything ham radio. Code versus No code. New license exams versus old license exams.

Anything. The two above were just two possible subjects.

This is your area to discuss anything ham radio.

ARRL or any ham organization. Good or Bad comments.

This is to debate ANYTHING ham radio related.

If you decide to join this will be your forum. Be heard. I will allow anything short of verbal threats of bodily harm if you disagree on a subject.

Open debate is good, if both parties allow debate. Please be open to debate and not just simple rants.

Please try to base your comments on research and not conjecture.

As this forum is open to all subject relating to ham radio and some off topics, if you are easily offended, this forum may not be for you.

73

I saw the need, so it might take the off topics to a forum that all comments are welcome.

21803. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 03:51:55 UTC
From: rick
Topic: 21717 Message: 21803

Good for you.Keep up the good work.And thank you for trimming your post unlike most of these others.I find it so rude to have to see the same **** over and over.How about cutting or trimming your post people. ty Rick Lewis N3NPH

--- In ham-antennas@yahoogroups.com, Ralph Apache <apache007@...> wrote:
>
> I have been teaching some new HAMS
> Sent from my iPhone
> v/r Ralph
> WH7PD
>

21804. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 04:00:28 UTC
From: Larry Tooley
Topic: 21717 Message: 21804

Great point, Gary. It starts sounding like the old 75 meters where a guy tells how he ran a modulated 6v6 one tube transmitter that was a regin receiver. Alright, already.

----- Original Message -----
From: Gary H. Harmon, Jr.
To: ham-antennas@yahoogroups.com
Sent: Thursday, December 29, 2011 5:37 PM
Subject: RE: [ham-antennas] Re: "dumming down" "code info"

Moderator input.....Off topic discussions that are HAM radio related work
sometimes in the short term because they usually die a natural death. This group is for antenna related topics but sometimes we moderators let the topics waver off course. Unfortunately, we sometimes have to step in and return normality to the group. Now is the time. Back to antenna related topics please. Take the other topics offline or to another list that allows
off topic discussions.

Vr,

Gary H. Harmon, Jr. - K5JWK ---------- Moderator2

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c

"Retirement means every day is a Saturday, except Sunday".

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Artekmedia
Sent: Thursday, December 29, 2011 5:23 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "dumming down" "code info"

What is "so terrible" is that It is just plain poor etiquette and bad manners....there are plenty of other more appropriate forums if you want to rant about no code licensing and the like

The stated purpose on the group home web page in RED LETTERS says basically "anything about antennas" That pretty much leaves out politics, religion, building power amplifiers, low noise preamps, organic gardening and the state of the amateur radio community at large.

Sort of like calling the dx station on his frequency repeatedly when he says "up"

In the mean time i will continue to wear out the letters on my keyboard "DELETE" key, I pity however the poor blokes who have to read this forum with a dial up modem

73
Dave
NR1DX

On 12/29/2011 4:34 PM, urei wrote:
>
> I'd still like for somebody to explain to me what's so terrible about
> an off-topic thread. My wife belongs to a group with a very specific
> topic but off topics are accepted and sometimes pretty extensive.
> The moon hasn't fallen out of the night sky and the seas haven't dried
> up. What's so awful?
>
> --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>, "AB2ZY" <akozak@...> wrote:
> >
> > --- In ham-antennas@yahoogroups.com
<mailto:ham-antennas%40yahoogroups.com>
> <mailto:ham-antennas%40yahoogroups.com>, Ernie Rice <ranger2995@> wrote:
> > >
> > > If a list is NOT open to other ideas about the hobby then what is
> it worth?
> >
> > Anything and everything about ham antennas.
> >
> > Al
> > AB2ZY
> >
>
>

--
Dave& Lynn Henderson
Manuals@... <mailto:Manuals%40ArtekMedia.com>
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21805. REPLY TO GROUP AND DAVE RE: Dumming down moderation

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 04:15:50 UTC
From: van wd8aam
Topic: 21717 Message: 21805

At 22:08 12/29/2011, you wrote:
>One moderator was in the hospital, the other a little busy.
If you joined this group to discuss issues in general, please
leave the group and take your discussions with you.
If you joined this group to discuss subjects other than antennas
with other hams, take your discussions elsewhere.
If you joined this group to discuss ham-antennas and all related
subjects about ham-antennas, yes, I thought so, therefore certain
members have been removed, and some moderated to see if they persist
in making the 'on-subject' members question their membership. IF THEY DO,
they also will be removed, or upon several 'conforming' group messages,
will be unmoderated again.
'nuff said, I understand your pain!
Van Lincoln
wd8aam
moderator

>Dale,
>Me thinks the moderator's are on holiday break. I haven't said
>anything YET..because
>I am still trying to be in the holiday spirit. But! there are other groups
>for just THIS kind
>of stuff! I sure hope on of the moderator's get's back soon..as my lip is
>sore from biting
>it. Please GUY'S, before you get moderated...kill this thread.
>73,
>Dave-KJ4PF
>In a message dated 12/29/2011 5:02:47 P.M. Eastern Standard Time,
><mailto:k9ttt%40comcast.net>k9ttt@... writes:
>IMHO;
>When I last counted my "in box"; I lost track of this thread in the20 plus
>coments. I thought this was a format for antenna conversation. Please
>guy and gals......my delete finger is sore. These very same comments were
>said about cw, the internet, even if I remember right, ssb .
>Mister moderator--can you step in......or am I wrong in my
>opinion.......Just MY 2¢
>Dale H. Cole K8TS
>Jackson, MI

[Non-text portions of this message have been removed]

21806. RE: [ham-antennas] Impedance transform

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 05:23:01 UTC
From: KA9EGW
Topic: 21749 Message: 21806

It gets even weirder...ARRLNEC tells me the feedpoint Z is 35.5-j185ohms, and TLW tells me my feedline transforms it to 58 PLUS j449, yet it took 4.6uH in series with one side of the line to get it to where my Johnson Matchbox was happy on 80cw. I can see that; 449 ohms is a lot of reactance to try to tune out with that circuit...but the configuration of the available supports dictated ocf...

What gives?

I'll post the .ez file on the antenna if anyone's interested.

73, Brian KA9EGW

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ka9egw@...
Sent: Thursday, December 29, 2011 1:22 PM
To: ham-antennas@yahoogroups.com
Cc: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Impedance transform

OK, I'm still learning how to edit text on my new smartphone...the fist couple lines of that message [i.e. everything before "Hi group" was mistakenly not edited.

And it was SUPPOSED to end "I can send the NEC file..."

Sorry abt that.
73, Brian KA9EGW

>
> Hi group: I been experimenting with my 135' off dipole down in the cw
> subband ...at 3535kc the antenna presents a feedpoint z of 33-j155
> according to arrl-nec. Â The transmission line program that comes with
> the antenna book tells me that at the other end of 44 feet of 600ohm
> open wire line that z is transformed to still-low-r but the reactance
> is transformed to * Plus* 600-odd ohms. Â Does this sound right??
>
> I can send the necessary file if need be...
> 73, Brian KA9EGW
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11).Â and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.

> Post message: ham-antennas@yahoogroups.com Subscribe:Â
> ham-antennas-subscribe@yahoogroups.com
> Unsubscribe:Â ham-antennas-unsubscribe@yahoogroups.com
> List owner:Â ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT
permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo! Groups Links
>
>
>
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21807. to Moderators

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 09:32:02 UTC
From: jo barden
Topic: 21717 Message: 21807

To Van and other moderators

I am not "sucking up" but thank you for you efforts over the last year, I am a moderator on a forum and in all honesty you cannot do everything right for some/all the people all of the time.

Have a good new year and thanks again for your efforts

Jon

G6UWK

[Non-text portions of this message have been removed]

21808. Re: [ham-antennas] Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 10:53:30 UTC
From: Richard
Topic: 21717 Message: 21808

On Thu, 29 Dec 2011 08:31:21 -0800
Ernie Rice <ranger2995@...> wrote:

> Ham radio is a dieing entity! Look at the average age of ham radio
> operators. We can't get new people because of the following reasons
> 1) No one wants to help them get started
> 2) Cost of good gear
> 3) cell phones
> 4) video games
> 5) No one will help them (o wait i said that)
> Just one persons view
>
> Ernie
>

Hi all
I've been watching this thread, and I find Ernies comments hit the nail on the head.But at the risk of
hijacking the thread,this problem is much deeper than just morse or the friendly dinosaurs, hamradiosaurus.
We have managed to produce a generation or two of people that have been educated to pass exams, at the
expense of encouraging the ability to question why something happens.
One the will to ask why something happens or even better to find out why it happens, the latter produces
engineers, and hams, goes you lose an important assett.
And as for the morse , guilty, mine varies between 2 to 5 wpm, dysmorcea. sorry.

--
Happy Christmas and a Happy New Year

Best wishes / 73
Richard Bown

e-mail: richard@... or richard.bown@...

nil carborundum a illegitemis
##
Ham Call G8JVM . OS Debian Wheezy/Sid amd64 on a Dual core AMD Athlon 5200, 4 GB RAM
Maidenhead QRA: IO82SP38, LAT. 52 39.720' N LONG. 2 28.171 W (degs mins)
QRV HF + VHF Microwave 23 cms:140W,13 cms:100W,6 cms:10W & 3 cms:5W
##

21809. Re: [ham-antennas] G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 11:06:25 UTC
From: Stephen Bennett
Topic: 21673 Message: 21809

Hi Ken,
was a Windom a good antenna? I was reading about someone who spoke well of it.

Steve KJ6DDF

From: Ken <wa8jxm@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 7:38 AM
Subject: Re: [ham-antennas] G5RV vs 30m .64wave extened double zep.

On Dec 28, 2011, at 8:08 AM, ko1hqrp wrote:

> Hi All Likely to be replacing my current Windom with a Doublet. Considering the following. G5rv a proven performer is 51ft on a side with the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the odd LL. Can I have some opinions on how this will play as a mulitband antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of interest for this antenna. Let me know what yall think.

Well you asked what we "think", not for factual data ;-) IMO the G5RV is a bizarre antenna designed for the purpose of an easy coax match on multiple bands. It does that because the "feedline" is part of the antenna and the matching system.

A clean dipole (of any length), is a cleaner design and an efficient antenna when properly fed (open wire or ladder line to a good tuner for multiband use). Of course, under specific conditions, any one antenna may perform better than another antenna.

BTW, you use the term "doublet". I'm not sure what exactly a "doublet" is since the term is not defined in any of my ARRL Handbooks or Antenna Books and Bill Orr doesn't even use the term. Decades ago, I used to think it was a folded dipole but I have nothing to support that old assumption. I'm guessing that a "doublet" is just a fancy (and confusing) term for a plain old dipole.

73, Ken WA8JXM

[Non-text portions of this message have been removed]

21810. Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 11:22:52 UTC
From: Stephen Bennett
Topic: 21645 Message: 21810

Hi Adrian,

her email:<kim@...>
73

steve

From: Adrian Flynn <ADRIANJAMESFLYNN@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 28, 2011 4:46 PM
Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still made in the USA?

Maybe when you follow up with your lady, you could find out if she does
order them if she would be willing to sell to other Amateur's that do their
own coax?
If so how we might get in touch to order?
73
Adrian Kf7dyu

On Wed, Dec 28, 2011 at 4:35 AM, Stephen Bennett <kj6ddf@...> wrote:

> **
>
>
> At Andros we make and sell PL259 connectors and reducers for RG59 coax. We
> also make the 2 piece N connector that solders on like a PL259. We also
> make many different styles of F connectors.
> We do not sell to the general public. We sell only to distributors and
> other manufacturers.
> We do have a $500 minimum order.
> If you …or your vendor..would like to place an order or just call to talk
> about them please call me at 585-663-5700.
>
> Russell Steenhoff
> Andros Manufacturing Corp.
> 30 Hojack Park, Rochester, NY 14612
> Phone: 585-663-5700 Fax: 585-663-1212
> email: russell@...
> web: www.androsmfg.com
>
>
> There is only one "on Topic" message that has been on this tread, all the
> others are on an entirely different topic, "something to do with trade wars
> and the quality of things made in every place etc.

>
> I just had a connector fail that wasn't made in the US, so I wanted to
> find out if anyone knew of any company that still made them in the US.
>
> Only one person, Jeff, replied to the question asked and stayed on
> subject.
>
> I followed up with the link Jeff gave me, and this is what they told me,
> I'm going to forward it to the lady who makes up my coax, she makes a lot
> of coax, so she should be in a position to buy $500.00 worth of connectors.
>
> I've noticed many threads both in this group and in other amateur groups
> that get off topic and get folks acting in a manner that others begin to
> complain.
>
> It's so sad.
>
> Anyway, this was a very simple question, it's been anwsered and I followed
> it up with what I found out. So I'm through with the topic.
>
> Anwyay fellow amateurs, lets have a good time and get along ok?
>
> 73
>
> Steve
>
> _____
> From: kb7gl <vic.owen@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, December 27, 2011 11:22 AM
>
> Subject: [ham-antennas] Re: are there any PL-259 connectors still made in
> the USA?
>
>
>
>
> MODs, can this topic be put to rest? I think we all 'get it'.
>
> 73, Vic KB7GL
>
> --- In ham-antennas@yahoogroups.com, "Robert Costa, KB6QXM" <kb6qxm@...>
> wrote:
> >
> > Thank you for your comments. I see where you lean politically with your
> comments. Again thank you for sharing!
> >
> > 73,
> > Robert
> > KB6QXM
> >

> >
> > ----- Reply message -----
> > From: "jo barden" <jobarden422@...>
> > To: <ham-antennas@yahoogroups.com>
> > Subject: [ham-antennas] Re: are there any PL-259 connectors still made
> in the USA?
> > Date: Tue, Dec 27, 2011 6:57 am
> >
> >
> >
> > The mantra that is promulgated this side of the pond is there are some
> things that it is not cost effective to make in our economy and we should
> only make/manufacture "value added" products and leave the lower input cost
> (wages) to the new economies. This is all well and good if you are in well
> paid employment and can afford to buy into this modern disposable economy.
> >
> > I am unemployed (back condition) so finances dictate that I go for
> lowest cost that will do the job also I am by nature a "tight" person in
> that I want to maintain and repair if all possible. This fits in with the
> green agenda and also there is a prejudiced opinion in the general public
> that the "Murdoch" press promotes that if you are on benefits you are a
> lazy scrounger and you should not afford anything other than "value"
> products. Sorry off on moan.
> >
> > I would say that whilst buying the locally made 259's may be difficult
> Tentec make some pretty good equipment. You also have MFJ, LDG and SGC so
> you have more local content than we do.
> >
> > Jon
> >
> > G6UWK
> >
> > To: ham-antennas@yahoogroups.com
> > From: carneytf@...
> > Date: Mon, 26 Dec 2011 23:10:22 -0800
> > Subject: Re: [ham-antennas] Re: are there any PL-259 connectors still
> made in the USA?
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >

> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > *I've been reading this thread off-and-on since it began. I've resisted
> >
> > adding anything because my ideas are not nearly as useful as I usually
> >
> > think they are. I have, though, thought about the following.*
> >
> > *
> >
> > *
> >
> > *1. This Yahoo group is available Worldwide to anyone with access to the
> >
> > Internet, perhaps even in China. It would be interesting to know how many
> >
> > subscribers are not United States citizens. I suppose a rough idea could
> be
> >
> > had from counting non-K or non-W call signs.*
> >
> > *
> >
> > *
> >
> > *2. I've also wondered how many American hams proudly display QSL cards
> >
> > from around the World; some winning DX awards and acalades for reaching
> out
> >
> > and touching the World with their signals on all modes. Flip though any
> QST
> >
> > or CQ and you'll find pages of listings each month.*
> >
> > *
> >

> > *
> >
> > *3. I found the following quote from the ARRL site very interesting*
> >
> >
> >
> > With worldwide wireless communications, hams are also ambassadors for
> their
> >
> > country. Radio provides the opportunity for communications with hams in
> >
> > nearly every other foreign country. There are over 600,000 radio amateurs
> >
> > in the United States and over 2,000,000 worldwide.
> >
> >
> >
> > *I had no idea that American amateurs make us less than a third of the
> >
> > total number around the World!*
> >
> > *
> >
> > *
> >
> > *4. Given all this, isn't just a little unbecoming for amateurs in the
> >
> > United States to make public in a World-wide forum their concerns about
> >
> > "foreign" manufacturing and "cheap" labor abroad? *
> >
> > *
> >
> > *
> >
> > ***Beats me! But I'm going to think more about this and, in the meantime,
> >
> > to forebear to display my understandable patriotism and national pride
> with
> >
> > fellow hams around the globe.
> >
> > *
> >
> > *
> >
> > *
> >
> > *Best to all,*
> >

> > *
> >
> > *
> >
> > *Todd*
> >
> > *KF7SIS*
> >
> > *
> >
> > *
> >
> > *
> >
> > *
> >
> > ----------
> >
> > KF7SIS<
> http://lcwo.net/cgi-bin/cw.mp3?s=20&e=20&f=600&t=CQ%20CQ%20CQ%20de%20KF7SIS%2FQRP%20k%20
%20%20%20%5E
> >/
> >
> > Medford, Oregon / (541)
> >
> > 951-5702
> >
> >
> >
> > "Done is better than perfect." --Anonymous
> >
> > *
> >
> > *
> >
> > *
> >
> > *
> >
> >
> >
> > On Mon, Dec 26, 2011 at 8:43 PM, Robert Costa, KB6QXM <kb6qxm@...>wrote:
> >
> >
> >
> > > **
> >
> > >
> >
> > >

> >
> > > Al,
> >
> > >
> >
> > > Granted specifications matter but so does country of origin. It is this
> >
> > > type of thinking that is causing manufacturing plants to close in the
> US
> >
> > > and why jobs are being outsourced to lower cost regions.
> >
> > >
> >
> > > I would pay a premium to things made in the US, just so the specs are
> what
> >
> > > they need to be. This " it does not matter where it is made" mindset is
> >
> > > giving US the Walmart mindset at the expense of American jobs. Do I
> mind
> >
> > > where it is made. Heck yes.
> >
> > >
> >
> > > My 2 cents.
> >
> > >
> >
> > > 73,
> >
> > > Robert
> >
> > > KB6QXM
> >
> > >
> >
> > > ----- Reply message -----
> >
> > > From: "AB2ZY" <akozak@...>
> >
> > > To: <ham-antennas@yahoogroups.com>
> >
> > > Subject: [ham-antennas] Re: are there any PL-259 connectors still made
> in
> >
> > > the USA?
> >
> > > Date: Mon, Dec 26, 2011 2:54 pm

> >
> > > The country of origin is less important than the specifications and
> >
> > > tolerances of the manufactured product and verifying same.
> >
> > >
> >
> > > Manufacturers in China run the gamut from GMP & ISO9001 certified
> >
> > > facilties to counterfeiters and outright criminal adulterators.
> >
> > >
> >
> > > If you are going to source parts from China and quality is important to
> >
> > > you, you have to commit resources to regularly auditing your offshore
> >
> > > suppliers and ensuring that the product is what you and your customers
> >
> > > expect.
> >
> > >
> >
> > > In a number of industries, it is almost impossible to source
> components or
> >
> > > chemicals that are entirely China free. You have to know what you are
> >
> > > buying or run the risk of assuming a potentially fatal liability.
> >
> > >
> >
> > > As an example, most people know about the Chinese dog food that was
> sold
> >
> > > through Wal-Mart that poisoned a number of pets. One of the
> ingredients was
> >
> > > adulterated with melamaine, a plastic that "fools" the standard tests
> for
> >
> > > protein content. Melamine is apparently cheaper than sourcing an
> ingredient
> >
> > > that meets minimal quality standards. American and European infant food
> >
> > > manufacturers usually avoid Chinese ingredients because the risks
> involved,
> >
> > > but they are also able to charge a premium for their products to cover

> the
> >
> > > additional cost. Not widely reported in the US was the number of
> Chinese
> >
> > > children who were poisoned in exatly the same fashion by Chinese
> >
> > > manufactured infant formula.
> >
> > >
> >
> > > Al
> >
> > >
> >
> > > AB2ZY
> >
> > >
> >
> > >
> >
> > >
> >
> > >
> >
> > >
> >
> > >
> >
> > >
> >
> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >

> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

21811. Re: [ham-antennas] to Moderators

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 11:26:15 UTC
From: van wd8aam
Topic: 21717 Message: 21811

Thank You Jon, YOU also have a happy and prosperous
new year. It's nice to find those that understand.
Van, Gary, moderators.

At 09:32 12/30/2011, you wrote:
>To Van and other moderators
>I am not "sucking up" but thank you for your efforts over the last year,
>I am a moderator on a forum and in all honesty you cannot do
>everything right for some/all the people all of the time.
>Have a good new year and thanks again for your efforts
>Jon
>G6UWK

21812. AW: [ham-antennas] G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 11:58:43 UTC
From: siegfried jackstien
Topic: 21673 Message: 21812

With a good tuner it should also work in dipole configuration (so not
against ground) ... and for 15m ... try to add (or shorten) a few feet of
the ladderline and it will work also on 15m
Just do the math
30m antenna and 30m ladderline = high voltage at shack end
(just a rough calculation "over the thumb")
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Frank Kirschner
> Gesendet: Freitag, 30. Dezember 2011 01:10
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] G5RV vs 30m .64wave extened double zep.
>
>
>
> John,
>
> I have a 102-ft doublet (same length as a full-sized G5RV) fed with 100
> feet of 450-ohm ladder line (although the length doesn't matter) connected
> to a wide-range tuner (MFJ-998). It tunes 80 to 6 meters quite well except
> for 15, which is OK on the low end of the band, but unusable over 21.1.
>
> It works quite well on 40, 30, and 20. I've worked lots of DX on these
> bands, as well as local and medium-distance stations.
>
> By shorting the ladder line leads and working against long radials, it
> also
> loads on 160.
>
> If you have the room, try it. MFJ sells one for about what the ladder line
> would cost from most suppliers.
>
> 73,
> Frank
> KF6E
>
> On Wed, Dec 28, 2011 at 8:08 AM, ko1hqrp <ko1h@...
> <mailto:ko1h%40cox.net> > wrote:
>
> > **
> > >
> > >

> > Hi All Likely to be replacing my current Windom with a Doublet.
> > Considering the following. G5rv a proven performer is 51ft on a side
> with
> > the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the
> > odd LL. Can I have some opinions on how this will play as a mulitband
> > antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of
> > interest for this antenna. Let me know what yall think.
> >
> > de John ko1h
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>

21813. Re: G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 13:02:12 UTC
From: fred
Topic: 21673 Message: 21813

sorry , guess I misunderstood your post .
kd5pnt

--- In ham-antennas@yahoogroups.com, "kb7gl" <vic.owen@...> wrote:
>
> Fred - I wasn't inferring that one should remove the insulation from zip cord -- if backpacking, I would use an antenna made from spooled solid magnet wire or something similar - zip cord would be excess weight. Every ounce counts, when on one's back -- in my saddlebags, not so much.
>
> -Vic
>
> --- In ham-antennas@yahoogroups.com, "fred" <radiomanl@> wrote:
> >
> > removing the insulation from zip wire would not reduce the weight much . all that would happen is that you would have a tangled mess to unravel everytime you wanted to use it . the wire strands also tend to want to separate by themselves .
>

21814. Re: [ham-antennas] Impedance transform

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 13:14:53 UTC
From: Artekmedia
Topic: 21749 Message: 21814

Brian

What was the file posting labeled I cant seem to find it in the files section...email me the NEC file direct (nr1dx@...) if you want, I will be happy to take a look at it

Some general comments on your earlier posts. The impedance transformations you asked about on the 44' of 600ohm line are within reason without doing the actual math. IF your really into this stuff try researching smith charts..a very useful graphical tool for looking at the impedance transformation on a transmission line vs the length of the line

In general it is better practice to try and keep the line balanced which means to say; add equal amounts of series inductance on BOTH sides of the line (not just one) when trying to compensate a line to the point your matchbox can handle it. Adding an additional amount of ladder line may accomplish the same thing

Keep in mind the that the antenna and transmission line programs assume a near perfect world, useful for getting an idea of what is going on but not necessarily a dead accurate representation of what is really going on because of irregularities caused by near objects and real world ground. If your feed line is home brewed is it really 600 ohms or is it 550 ohms or 650 ohms . You can plug the different line values into the programs to see the differences this causes. Are there slight varions in line width especially between spacers etc. While all of this is not really critical to actual operation they are useful to understand if you are trying to understand what you are seeing vs what the program predicts. Since it seems you might be home-brewing the feed-line then plug some different feed line impedance into the computer to see if you get an impedance match for your setup that is easier for the matchbox to deal with and so on, for your application a 400 ohm line of 1000 ohm line may give you a better impedance match at the shack end. Just an FYI most commercial 450 ohm ladder line is really 400ohms

If you are really want to see what is going on in the real world, then build (not hard to do at 3.5 mhz) or borrow a good R-X bridge and measure it . You can use this same bridge to measure the actual impedance of your 600 ohm feed line by the way, if your going to be a purist

Dave

On 12/29/2011 11:23 PM, KA9EGW wrote:
>
> It gets even weirder...ARRLNEC tells me the feedpoint Z is 35.5-j185ohms,

> and TLW tells me my feedline transforms it to 58 PLUS j449, yet it took
> 4.6uH in series with one side of the line to get it to where my Johnson
> Matchbox was happy on 80cw. I can see that; 449 ohms is a lot of reactance
> to try to tune out with that circuit...but the configuration of the
> available supports dictated ocf...
>
> What gives?
>
> I'll post the .ez file on the antenna if anyone's interested.
>
> 73, Brian KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] On
> Behalf Of ka9egw@britewerkz.com <mailto:ka9egw%40britewerkz.com>
> Sent: Thursday, December 29, 2011 1:22 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Cc: ham-antennas@yahoogroups.com <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Impedance transform
>
> OK, I'm still learning how to edit text on my new smartphone...the fist
> couple lines of that message [i.e. everything before "Hi group" was
> mistakenly not edited.
>
> And it was SUPPOSED to end "I can send the NEC file..."
>
> Sorry abt that.
> 73, Brian KA9EGW
>
> >
> > Hi group: I been experimenting with my 135' off dipole down in the cw
> > subband ...at 3535kc the antenna presents a feedpoint z of 33-j155
> > according to arrl-nec. Â The transmission line program that comes with
> > the antenna book tells me that at the other end of 44 feet of 600ohm
> > open wire line that z is transformed to still-low-r but the reactance
> > is transformed to * Plus* 600-odd ohms. Â Does this sound right??
> >
> > I can send the necessary file if need be...
> > 73, Brian KA9EGW
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11).Â and attachments
> are NOT
> permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.

> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> Subscribe:Â
> > ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe:Â ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner:Â ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT
> permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
> >
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21815. Ham Radio Open Conversation

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 13:35:38 UTC
From: Eldon Scott
Topic: 21815 Message: 21815

New group, same restrictions, just worded differently. Here on this group is supposed to be about antennas, It says 4 or more times that the new group is for discussing Anything Ham Radio.New group was started because of restrictions on old one and restrictions were put on the new one before it even got started. Have replaced the worn out delete button so will stay with the antenna group
Eldon
w0szv

[Non-text portions of this message have been removed]

21816. RE: [ham-antennas] Impedance transform

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 14:42:16 UTC
From: KA9EGW
Topic: 21749 Message: 21816

Oh...I hadn't posted it yet. Doing that now...

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Artekmedia
Sent: Friday, December 30, 2011 7:15 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Impedance transform

Brian

What was the file posting labeled I cant seem to find it in the files section...email me the NEC file direct (nr1dx@...) if you want, I will be happy to take a look at it

Some general comments on your earlier posts. The impedance transformations you asked about on the 44' of 600ohm line are within reason without doing the actual math. IF your really into this stuff try researching smith charts..a very useful graphical tool for looking at the impedance transformation on a transmission line vs the length of the line

In general it is better practice to try and keep the line balanced which means to say; add equal amounts of series inductance on BOTH sides of the line (not just one) when trying to compensate a line to the point your matchbox can handle it. Adding an additional amount of ladder line may accomplish the same thing

Keep in mind the that the antenna and transmission line programs assume a near perfect world, useful for getting an idea of what is going on but not necessarily a dead accurate representation of what is really going on because of irregularities caused by near objects and real world ground. If your feed line is home brewed is it really 600 ohms or is it 550 ohms or 650 ohms . You can plug the different line values into the programs to see the differences this causes. Are there slight varions in line width especially between spacers etc. While all of this is not really critical to actual operation they are useful to understand if you are trying to understand what you are seeing vs what the program predicts. Since it seems you might be home-brewing the feed-line then plug some different feed line impedance into the computer to see if you get an impedance match for your setup that is easier for the matchbox to deal with and so on, for your application a 400 ohm line of 1000 ohm line may give you a better impedance match at the shack end. Just an FYI most commercial 450 ohm ladder line is really 400ohms

If you are really want to see what is going on in the real world, then build (not hard to do at 3.5 mhz) or borrow a good R-X bridge and measure it .. You can use this same bridge to measure the actual impedance of your 600 ohm

feed line by the way, if your going to be a purist

Dave

On 12/29/2011 11:23 PM, KA9EGW wrote:
>
> It gets even weirder...ARRLNEC tells me the feedpoint Z is
> 35.5-j185ohms, and TLW tells me my feedline transforms it to 58 PLUS
> j449, yet it took 4.6uH in series with one side of the line to get it
> to where my Johnson Matchbox was happy on 80cw. I can see that; 449
> ohms is a lot of reactance to try to tune out with that circuit...but
> the configuration of the available supports dictated ocf...
>
> What gives?
>
> I'll post the .ez file on the antenna if anyone's interested.
>
> 73, Brian KA9EGW
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>] On Behalf Of
> ka9egw@... <mailto:ka9egw%40britewerkz.com>
> Sent: Thursday, December 29, 2011 1:22 PM
> To: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Cc: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subject: Re: [ham-antennas] Impedance transform
>
> OK, I'm still learning how to edit text on my new smartphone...the
> fist couple lines of that message [i.e. everything before "Hi group"
> was mistakenly not edited.
>
> And it was SUPPOSED to end "I can send the NEC file..."
>
> Sorry abt that.
> 73, Brian KA9EGW
>
> >
> > Hi group: I been experimenting with my 135' off dipole down in the
> > cw subband ...at 3535kc the antenna presents a feedpoint z of
> > 33-j155 according to arrl-nec. Â The transmission line program that
> > comes with the antenna book tells me that at the other end of 44
> > feet of 600ohm open wire line that z is transformed to still-low-r
> > but the reactance is transformed to * Plus* 600-odd ohms. Â Does this
sound right??
> >
> > I can send the necessary file if need be...

> > 73, Brian KA9EGW
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11).Â and attachments
> are NOT
> permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY
> > be cause for suspension. Moderators WILL have final say in these
matters.
> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com> Subscribe:Â
> > ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe:Â ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner:Â ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions.
> > Replies go to ALL 2752 members (as of 10/30/11). and attachments are
> > NOT
> permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY
> > be cause for suspension. Moderators WILL have final say in these
matters.
> > Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> > List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> > Yahoo! Groups Links
> >
> >
> >
> >

>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT
permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> <mailto:ham-antennas%40yahoogroups.com>
> Subscribe: ham-antennas-subscribe@...m
> <mailto:ham-antennas-subscribe%40yahoogroups.com>
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe%40yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner%40yahoogroups.com>
> Yahoo! Groups Links
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

21817. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 14:45:37 UTC
From: ham-antennas@yahoogroups.com
Topic: 389 Message: 21817

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /KA9EGW/ka9egwocf.ez
Uploaded by : lurchix <ka9egw@...>
Description : my hf antenna

You can access this file at the URL:
http://groups.yahoo.com/group/ham-antennas/files/KA9EGW/ka9egwocf.ez

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

lurchix <ka9egw@...>

21818. Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 15:44:32 UTC
From: van wd8aam
Topic: 21818 Message: 21818

I have a couple of High Sierra Screwdriver antennas,
which had been used mobile. Worked very nicely. Been
sitting in a corner not getting used, started wondering
what it would take for home use.

Let's say I mount one on a camera tripod and put it in the
backyard just outside my shack window. How to you provide
a counterpoise, and what is required.

Also, if mounted on a Mast about 20-35' high,
what type of counterpoise would you suggest.

The main answer is what can I do with a MINIMUM of work
and materials, and also what would I need to do a FULL Blown Luxury
system that works like gangbusters!.

Thanks for any responses,
Van
wd8aam
near Minneapolis, Minnesota

21819. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 15:57:08 UTC
From: Artekmedia
Topic: 21818 Message: 21819

Van

What bands are you contemplating?

Current wisdom suggests two 1/4 wave elevated radials per each band of interest. If ground mounted then 20 or so "short" (.1 to .2 wavelength on lowest band) radials

your 35' mast will make a better antenna than the screw driver on most bands by the way

Dave
NR1DX

On 12/30/2011 9:44 AM, van wd8aam wrote:
>
> I have a couple of High Sierra Screwdriver antennas,
> which had been used mobile. Worked very nicely. Been
> sitting in a corner not getting used, started wondering
> what it would take for home use.
>
> Let's say I mount one on a camera tripod and put it in the
> backyard just outside my shack window. How to you provide
> a counterpoise, and what is required.
>
> Also, if mounted on a Mast about 20-35' high,
> what type of counterpoise would you suggest.
>
> The main answer is what can I do with a MINIMUM of work
> and materials, and also what would I need to do a FULL Blown Luxury
> system that works like gangbusters!.
>
> Thanks for any responses,
> Van
> wd8aam
> near Minneapolis, Minnesota
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21820. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:05:17 UTC
From: van wd8aam
Topic: 21818 Message: 21820

The Bands of interest are 160 thru 10, and 6 and/or 2 if I could.
The bands the antenna will cover are flexible however, with regard to
physical limitations of the screwdriver design and counterpoise
limitations.
Van

At 15:57 12/30/2011, you wrote:
>
>
>Van
>
>What bands are you contemplating?
>
>Current wisdom suggests two 1/4 wave elevated radials per each band of
>interest. If ground mounted then 20 or so "short" (.1 to .2 wavelength
>on lowest band) radials
>
>your 35' mast will make a better antenna than the screw driver on most
>bands by the way
>
>Dave
>NR1DX
>
>On 12/30/2011 9:44 AM, van wd8aam wrote:
> >
> > I have a couple of High Sierra Screwdriver antennas,
> > which had been used mobile. Worked very nicely. Been
> > sitting in a corner not getting used, started wondering
> > what it would take for home use.
> >
> > Let's say I mount one on a camera tripod and put it in the
> > backyard just outside my shack window. How to you provide
> > a counterpoise, and what is required.
> >
> > Also, if mounted on a Mast about 20-35' high,
> > what type of counterpoise would you suggest.
> >
> > The main answer is what can I do with a MINIMUM of work
> > and materials, and also what would I need to do a FULL Blown Luxury
> > system that works like gangbusters!.
> >
> > Thanks for any responses,
> > Van
> > wd8aam

> > near Minneapolis, Minnesota
> >
> >
>
>--
>Dave& Lynn Henderson
><mailto:Manuals%40ArtekMedia.com>Manuals@...
>www.Artekmedia.com
>PO Box 175
>Welch,MN 55089
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

21821. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:11:27 UTC
From: dean
Topic: 21818 Message: 21821

How can you get 80 and 160 meters with the ATAS 120? I thought it was limited to 6 thru 40 meters. One of our local hams has the Little Tarheel 2. He changed the whip and can get 10 thru 80 meters well.

If you just going to be putting this in your backyard why not just put up a dipole and do away with the counterpoises. I had a cushcraft R7 and it didn't need counterpoises. Of course it was 10 thru 40.

73, WY6L

From: van wd8aam
Sent: Friday, December 30, 2011 8:05 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

The Bands of interest are 160 thru 10, and 6 and/or 2 if I could.
The bands the antenna will cover are flexible however, with regard to
physical limitations of the screwdriver design and counterpoise
limitations.
Van

At 15:57 12/30/2011, you wrote:
>
>
>Van
>
>What bands are you contemplating?
>
>Current wisdom suggests two 1/4 wave elevated radials per each band of
>interest. If ground mounted then 20 or so "short" (.1 to .2 wavelength
>on lowest band) radials
>
>your 35' mast will make a better antenna than the screw driver on most
>bands by the way
>
>Dave
>NR1DX
>
>On 12/30/2011 9:44 AM, van wd8aam wrote:
> >
> > I have a couple of High Sierra Screwdriver antennas,
> > which had been used mobile. Worked very nicely. Been
> > sitting in a corner not getting used, started wondering
> > what it would take for home use.
> >

> > Let's say I mount one on a camera tripod and put it in the
> > backyard just outside my shack window. How to you provide
> > a counterpoise, and what is required.
> >
> > Also, if mounted on a Mast about 20-35' high,
> > what type of counterpoise would you suggest.
> >
> > The main answer is what can I do with a MINIMUM of work
> > and materials, and also what would I need to do a FULL Blown Luxury
> > system that works like gangbusters!.
> >
> > Thanks for any responses,
> > Van
> > wd8aam
> > near Minneapolis, Minnesota
> >
> >
>
>--
>Dave& Lynn Henderson
><mailto:Manuals%40ArtekMedia.com>mailto:Manuals%40ArtekMedia.com
>www.Artekmedia.com
>PO Box 175
>Welch,MN 55089
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21822. Re: Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:12:26 UTC
From: AB2ZY
Topic: 21818 Message: 21822

--- In ham-antennas@yahoogroups.com, Artekmedia <nr1dx@...> wrote:
> your 35' mast will make a better antenna than the screw driver on most
> bands by the way

Amen to that!

By the time you construct a ground plane, there isn't anything a screwdriver antenna will do better than an aluminum pole with a tuner.

Sell the screwdriver antennas on eBay and purchase a remote tuner with the proceeds. Or a commercially manufactured vertical antenna.

Just because you can doesn't mean that you should!

Al
AB2ZY

21823. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:19:53 UTC
From: Artekmedia
Topic: 21818 Message: 21823

The problem with the screw driver is that it has very low impedance on the lower bands and counts on losses in the coil and ground system to effectively raise the apparent feed point impedance . Also in mobile operation the feed line is very short so any losses due to mismatch are minimal. It is at best a compromise antenna for fixed station operation

Like I said before if I had a choice between the screw-driver and 35' mast I would choose figuring out how to match the 35' mast every time. especially on 160/80/40. On the lower bands the screwdriver is not much better than a tree stump IMO. With the 10' extension they talk about it will be useful on 20-6 with a some resonant elevated radials

73
Dave
NR1DX

On 12/30/2011 10:05 AM, van wd8aam wrote:
>
> The Bands of interest are 160 thru 10, and 6 and/or 2 if I could.
> The bands the antenna will cover are flexible however, with regard to
> physical limitations of the screwdriver design and counterpoise
> limitations.
> Van
>
> At 15:57 12/30/2011, you wrote:
> >
> >
> >Van
> >
> >What bands are you contemplating?
> >
> >Current wisdom suggests two 1/4 wave elevated radials per each band of
> >interest. If ground mounted then 20 or so "short" (.1 to .2 wavelength
> >on lowest band) radials
> >
> >your 35' mast will make a better antenna than the screw driver on most
> >bands by the way
> >
> >Dave
> >NR1DX
> >
> >On 12/30/2011 9:44 AM, van wd8aam wrote:
> > >
> > > I have a couple of High Sierra Screwdriver antennas,

> > > which had been used mobile. Worked very nicely. Been
> > > sitting in a corner not getting used, started wondering
> > > what it would take for home use.
> > >
> > > Let's say I mount one on a camera tripod and put it in the
> > > backyard just outside my shack window. How to you provide
> > > a counterpoise, and what is required.
> > >
> > > Also, if mounted on a Mast about 20-35' high,
> > > what type of counterpoise would you suggest.
> > >
> > > The main answer is what can I do with a MINIMUM of work
> > > and materials, and also what would I need to do a FULL Blown Luxury
> > > system that works like gangbusters!.
> > >
> > > Thanks for any responses,
> > > Van
> > > wd8aam
> > > near Minneapolis, Minnesota
> > >
> > >
> >
> >--
> >Dave& Lynn Henderson
> ><mailto:Manuals%40ArtekMedia.com>Manuals@...
> <mailto:Manuals%40ArtekMedia.com>
> >www.Artekmedia.com
> >PO Box 175
> >Welch,MN 55089
> >
> >[Non-text portions of this message have been removed]
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

--
Dave& Lynn Henderson
Manuals@...
www.Artekmedia.com
PO Box 175
Welch,MN 55089

[Non-text portions of this message have been removed]

21824. Sierra Slims

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:20:06 UTC
From: dean
Topic: 21824 Message: 21824

I'd like to know if there is anyone else out there who uses the High Sierra hamstick called the Sierra Slim. Somewhere in the northern mountain part of Oregon I made a 20 meter contact with Vienna, Austria and he gave me a 57. No tuner and I have low SWR's from 14.150 to 14.350.

I have the antenna mounted on the back hatch of my little VW Golf TDI. My wife isn't to thrilled with me sitting in the car with my Pro Set Plus and talking while she is driving but generally when I first talk she does turn off talk radio.

73, WY6L

[Non-text portions of this message have been removed]

21825. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:26:51 UTC
From: van wd8aam
Topic: 21818 Message: 21825

I've already got an OCF dipole,(80-6) it works well. I'm just trying to get some use out of the screwdrivers propped in the corner.
And these are NOT ATAS 120's, they are High Sierra's. But they also have limitations, but you can work around. Efficiency at 40-80-160 is much less than with the higher bands.

Van
wd8aam

At 16:11 12/30/2011, you wrote:
>
>
>How can you get 80 and 160 meters with the ATAS
>120? I thought it was limited to 6 thru 40
>meters. One of our local hams has the Little
>Tarheel 2. He changed the whip and can get 10 thru 80 meters well.
>
>If you just going to be putting this in your
>backyard why not just put up a dipole and do
>away with the counterpoises. I had a cushcraft
>R7 and it didnâ□□tâ□□ need counterpoises. Of course it was 10 thru 40.
>
>73, WY6L
>
>From: van wd8aam
>Sent: Friday, December 30, 2011 8:05 AM
>To: <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Screwdriver
>Antennas, HOW to use for home use, not mobile?
>
>The Bands of interest are 160 thru 10, and 6 and/or 2 if I could.
>The bands the antenna will cover are flexible however, with regard to
>physical limitations of the screwdriver design and counterpoise
>limitations.
>Van
>
>At 15:57 12/30/2011, you wrote:
> >
> >
> >Van
> >
> >What bands are you contemplating?
> >

> >Current wisdom suggests two 1/4 wave elevated radials per each band of
> >interest. If ground mounted then 20 or so "short" (.1 to .2 wavelength
> >on lowest band) radials
> >
> >your 35' mast will make a better antenna than the screw driver on most
> >bands by the way
> >
> >Dave
> >NR1DX
> >
> >On 12/30/2011 9:44 AM, van wd8aam wrote:
> > >
> > > I have a couple of High Sierra Screwdriver antennas,
> > > which had been used mobile. Worked very nicely. Been
> > > sitting in a corner not getting used, started wondering
> > > what it would take for home use.
> > >
> > > Let's say I mount one on a camera tripod and put it in the
> > > backyard just outside my shack window. How to you provide
> > > a counterpoise, and what is required.
> > >
> > > Also, if mounted on a Mast about 20-35' high,
> > > what type of counterpoise would you suggest.
> > >
> > > The main answer is what can I do with a MINIMUM of work
> > > and materials, and also what would I need to do a FULL Blown Luxury
> > > system that works like gangbusters!.
> > >
> > > Thanks for any responses,
> > > Van
> > > wd8aam
> > > near Minneapolis, Minnesota
> > >
> > >
> >
> >--
> >Dave& Lynn Henderson
> ><mailto:Manuals%40ArtekMedia.com>mailto:Manuals%40ArtekMedia.com
> >www.Artekmedia.com
> >PO Box 175
> >Welch,MN 55089
> >
> >[Non-text portions of this message have been removed]
> >
> >
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]

>
>

[Non-text portions of this message have been removed]

21826. RE: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:31:41 UTC
From: MIKE DURKIN
Topic: 21818 Message: 21826

Perhaps make a dipole out of them...

To: ham-antennas@yahoogroups.com
From: vlincoln@...
Date: Fri, 30 Dec 2011 16:05:17 +0000
Subject: Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

The Bands of interest are 160 thru 10, and 6 and/or 2 if I could.

The bands the antenna will cover are flexible however, with regard to

physical limitations of the screwdriver design and counterpoise

limitations.

Van

At 15:57 12/30/2011, you wrote:

>

>

>Van

>

>What bands are you contemplating?

>

>Current wisdom suggests two 1/4 wave elevated radials per each band of

>interest. If ground mounted then 20 or so "short" (.1 to .2 wavelength

>on lowest band) radials

>

>your 35' mast will make a better antenna than the screw driver on most

>bands by the way

>

>Dave

>NR1DX

>

>On 12/30/2011 9:44 AM, van wd8aam wrote:

> >

> > I have a couple of High Sierra Screwdriver antennas,

> > which had been used mobile. Worked very nicely. Been

> > sitting in a corner not getting used, started wondering

> > what it would take for home use.

> >

> > Let's say I mount one on a camera tripod and put it in the

> > backyard just outside my shack window. How to you provide

> > a counterpoise, and what is required.

> >

> > Also, if mounted on a Mast about 20-35' high,

> > what type of counterpoise would you suggest.

> >

> > The main answer is what can I do with a MINIMUM of work

> > and materials, and also what would I need to do a FULL Blown Luxury

> > system that works like gangbusters!.

> >

> > Thanks for any responses,

> > Van

> > wd8aam

> > near Minneapolis, Minnesota

> >

> >

>

>--

>Dave& Lynn Henderson

><mailto:Manuals%40ArtekMedia.com>Manuals@...

>www.Artekmedia.com

>PO Box 175

>Welch,MN 55089

>

>[Non-text portions of this message have been removed]

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21827. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:42:09 UTC
From: dean
Topic: 21818 Message: 21827

My mistake I misread the post. My leg hurts from twisting it to kick myself in the butt. I think you can put on a capacity hat on the screwdriver.

So how do you like the High Sierra screwdriver and how long have you been using them.

73, WY6L

From: van wd8aam
Sent: Friday, December 30, 2011 8:26 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

I've already got an OCF dipole,(80-6) it works well. I'm just trying to
get some use out of the screwdrivers propped in the corner.
And these are NOT ATAS 120's, they are High Sierra's. But they also
have limitations, but you can work around. Efficiency at 40-80-160 is much
less than with the higher bands.

Van
wd8aam

At 16:11 12/30/2011, you wrote:
>
>
>How can you get 80 and 160 meters with the ATAS
>120? I thought it was limited to 6 thru 40
>meters. One of our local hams has the Little
>Tarheel 2. He changed the whip and can get 10 thru 80 meters well.
>
>If you just going to be putting this in your
>backyard why not just put up a dipole and do
>away with the counterpoises. I had a cushcraft
>R7 and it didnâ□□tâ□□ need counterpoises. Of course it was 10 thru 40.
>
>73, WY6L
>
>From: van wd8aam
>Sent: Friday, December 30, 2011 8:05 AM
>To: <mailto:ham-antennas%40yahoogroups.com>mailto:ham-antennas%40yahoogroups.com
>Subject: Re: [ham-antennas] Screwdriver
>Antennas, HOW to use for home use, not mobile?
>
>The Bands of interest are 160 thru 10, and 6 and/or 2 if I could.
>The bands the antenna will cover are flexible however, with regard to

>physical limitations of the screwdriver design and counterpoise
>limitations.
>Van
>
>At 15:57 12/30/2011, you wrote:
> >
> >
> >Van
> >
> >What bands are you contemplating?
> >
> >Current wisdom suggests two 1/4 wave elevated radials per each band of
> >interest. If ground mounted then 20 or so "short" (.1 to .2 wavelength
> >on lowest band) radials
> >
> >your 35' mast will make a better antenna than the screw driver on most
> >bands by the way
> >
> >Dave
> >NR1DX
> >
> >On 12/30/2011 9:44 AM, van wd8aam wrote:
> > >
> > > I have a couple of High Sierra Screwdriver antennas,
> > > which had been used mobile. Worked very nicely. Been
> > > sitting in a corner not getting used, started wondering
> > > what it would take for home use.
> > >
> > > Let's say I mount one on a camera tripod and put it in the
> > > backyard just outside my shack window. How to you provide
> > > a counterpoise, and what is required.
> > >
> > > Also, if mounted on a Mast about 20-35' high,
> > > what type of counterpoise would you suggest.
> > >
> > > The main answer is what can I do with a MINIMUM of work
> > > and materials, and also what would I need to do a FULL Blown Luxury
> > > system that works like gangbusters!.
> > >
> > > Thanks for any responses,
> > > Van
> > > wd8aam
> > > near Minneapolis, Minnesota
> > >
> > >
> >
> >--
> >Dave& Lynn Henderson
> ><mailto:Manuals%40ArtekMedia.com>mailto:Manuals%40ArtekMedia.com

> >www.Artekmedia.com
> >PO Box 175
> >Welch,MN 55089
> >
> >[Non-text portions of this message have been removed]
> >
> >
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

21828. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:43:36 UTC
From: van wd8aam
Topic: 21818 Message: 21828

Well Dave, you've given me an idea. (Dangerous)

What if I put the screwdriver up at 40 feet on a mast, added
some matching coils (if needed) and used it to tune the 80-160 bands
to different areas of each band. Using Base feeding/loading with an MFJ-927
mast style antenna matcher/tuner. Would that add any
options/efficiency/value to
the installation?
Van, wd8aam

At 16:19 12/30/2011, you wrote:
The problem with the screw driver is that it has very low impedance on
the lower bands and counts on losses in the coil and ground system to
effectively raise the apparent feed point impedance . Also in mobile
operation the feed line is very short so any losses due to mismatch are
minimal. It is at best a compromise antenna for fixed station operation
Like I said before if I had a choice between the screw-driver and 35'
mast I would choose figuring out how to match the 35' mast every time.
especially on 160/80/40. On the lower bands the screwdriver is not much
better than a tree stump IMO. With the 10' extension they talk about it
will be useful on 20-6 with some resonant elevated radials
73
Dave
NR1DX

On 12/30/2011 10:05 AM, van wd8aam wrote:
> The Bands of interest are 160 thru 10, and 6 and/or 2 if I could.
> The bands the antenna will cover are flexible however, with regard to
> physical limitations of the screwdriver design and counterpoise
> limitations.
> Van
>
> At 15:57 12/30/2011, you wrote:
> >Van
> >What bands are you contemplating?
> >Current wisdom suggests two 1/4 wave elevated radials per each band of
> >interest. If ground mounted then 20 or so "short" (.1 to .2 wavelength
> >on lowest band) radials
> >your 35' mast will make a better antenna than the screw driver on most
> >bands by the way
> >Dave
> >NR1DX
> >
> >On 12/30/2011 9:44 AM, van wd8aam wrote:

> > > I have a couple of High Sierra Screwdriver antennas,
> > > which had been used mobile. Worked very nicely. Been
> > > sitting in a corner not getting used, started wondering
> > > what it would take for home use.
> > > Let's say I mount one on a camera tripod and put it in the
> > > backyard just outside my shack window. How to you provide
> > > a counterpoise, and what is required.
> > > Also, if mounted on a Mast about 20-35' high,
> > > what type of counterpoise would you suggest.
> > > The main answer is what can I do with a MINIMUM of work
> > > and materials, and also what would I need to do a FULL Blown Luxury
> > > system that works like gangbusters!.
> > > Thanks for any responses,
> > > Van
> > > wd8aam
> > > near Minneapolis, Minnesota

> >--
> >Dave& Lynn Henderson
> ><mailto:Manuals%40ArtekMedia.com>Manuals@...
> <mailto:Manuals%40ArtekMedia.com>
>Dave& Lynn Henderson
><mailto:Manuals%40ArtekMedia.com>Manuals@...
>www.Artekmedia.com
>PO Box 175
>Welch,MN 55089

[Non-text portions of this message have been removed]

21829. AW: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 16:52:11 UTC
From: siegfried jackstien
Topic: 21818 Message: 21829

Y couple of them??? Sell them on next hamfest
Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von van wd8aam
> Gesendet: Freitag, 30. Dezember 2011 15:45
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not
> mobile?
>
>
>
> I have a couple of High Sierra Screwdriver antennas,
> which had been used mobile. Worked very nicely. Been
> sitting in a corner not getting used, started wondering
> what it would take for home use.
>
> Let's say I mount one on a camera tripod and put it in the
> backyard just outside my shack window. How to you provide
> a counterpoise, and what is required.
>
> Also, if mounted on a Mast about 20-35' high,
> what type of counterpoise would you suggest.
>
> The main answer is what can I do with a MINIMUM of work
> and materials, and also what would I need to do a FULL Blown Luxury
> system that works like gangbusters!.
>
> Thanks for any responses,
> Van
> wd8aam
> near Minneapolis, Minnesota
>
>
>
>

21830. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 17:07:49 UTC
From: van wd8aam
Topic: 21818 Message: 21830

I used them about 10 years ago for a winter, (in minnesota much salt)
and the following year there was a corrosion problem. I bought
some new parts, but never went mobile again, but for the one year
it was super fun, a lot of excellent reports on signal strength,
good reception signal strength, etc. But transferred my interest
to my home station, and never used them again.
Van
wd8aam

At 16:42 12/30/2011, you wrote:
>
>
>My mistake I misread the post. My leg hurts from
>twisting it to kick myself in the butt. I think
>you can put on a capacity hat on the screwdriver.
>
>So how do you like the High Sierra screwdriver
>and how long have you been using them.
>
>73, WY6L
>
>From: van wd8aam
>Sent: Friday, December 30, 2011 8:26 AM
>To: <mailto:ham-antennas%40yahoogroups.com>ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Screwdriver
>Antennas, HOW to use for home use, not mobile?
>
>I've already got an OCF dipole,(80-6) it works well. I'm just trying to
>get some use out of the screwdrivers propped in the corner.
>And these are NOT ATAS 120's, they are High Sierra's. But they also
>have limitations, but you can work around. Efficiency at 40-80-160 is much
>less than with the higher bands.
>
>Van
>wd8aam
>
>At 16:11 12/30/2011, you wrote:
> >
> >
> >How can you get 80 and 160 meters with the ATAS
> >120? I thought it was limited to 6 thru 40
> >meters. One of our local hams has the Little
> >Tarheel 2. He changed the whip and can get 10 thru 80 meters well.

> >
> >If you just going to be putting this in your
> >backyard why not just put up a dipole and do
> >away with the counterpoises. I had a cushcraft
> >R7 and it didnÃ¢Â□Â□tÃ¢Â□Â□ need counterpoises. Of course it was 10 thru 40.
> >
> >73, WY6L
> >
> >From: van wd8aam
> >Sent: Friday, December 30, 2011 8:05 AM
> >To:
> <mailto:ham-antennas%40yahoogroups.com>mailto:ham-antennas%40yahoogroups.com
> >Subject: Re: [ham-antennas] Screwdriver
> >Antennas, HOW to use for home use, not mobile?
> >
> >The Bands of interest are 160 thru 10, and 6 and/or 2 if I could.
> >The bands the antenna will cover are flexible however, with regard to
> >physical limitations of the screwdriver design and counterpoise
> >limitations.
> >Van
> >
> >At 15:57 12/30/2011, you wrote:
> > >
> > >
> > >Van
> > >
> > >What bands are you contemplating?
> > >
> > >Current wisdom suggests two 1/4 wave elevated radials per each band of
> > >interest. If ground mounted then 20 or so "short" (.1 to .2 wavelength
> > >on lowest band) radials
> > >
> > >your 35' mast will make a better antenna than the screw driver on most
> > >bands by the way
> > >
> > >Dave
> > >NR1DX
> > >
> > >On 12/30/2011 9:44 AM, van wd8aam wrote:
> > > >
> > > > I have a couple of High Sierra Screwdriver antennas,
> > > > which had been used mobile. Worked very nicely. Been
> > > > sitting in a corner not getting used, started wondering
> > > > what it would take for home use.
> > > >
> > > > Let's say I mount one on a camera tripod and put it in the
> > > > backyard just outside my shack window. How to you provide
> > > > a counterpoise, and what is required.
> > > >

> > > > Also, if mounted on a Mast about 20-35' high,
> > > > what type of counterpoise would you suggest.
> > > >
> > > > The main answer is what can I do with a MINIMUM of work
> > > > and materials, and also what would I need to do a FULL Blown Luxury
> > > > system that works like gangbusters!.
> > > >
> > > > Thanks for any responses,
> > > > Van
> > > > wd8aam
> > > > near Minneapolis, Minnesota
> > > >
> > > >
> > >
> > >--
> > >Dave& Lynn Henderson
> > ><mailto:Manuals%40ArtekMedia.com>mailto:Manuals%40ArtekMedia.com
> > >www.Artekmedia.com
> > >PO Box 175
> > >Welch,MN 55089
> > >
> > >[Non-text portions of this message have been removed]
> > >
> > >
> >
> >[Non-text portions of this message have been removed]
> >
> >[Non-text portions of this message have been removed]
> >
> >
>
>[Non-text portions of this message have been removed]
>
>[Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

21831. Re: "dumming down" "code info"

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 17:17:13 UTC
From: James
Topic: 21717 Message: 21831

Uhhhh... number of licensed amateurs has actually been going up the last couple of years. Currently, its the highest its been in the last twenty or thirty years.

If anything, I think it will continue to grow just because the world of "amateur radio" is technologically growing. Look at all the new modes, technical software, and the growing trend for radios to look more and more like computers.

Personally, I have gobs of fun the year round, but only actually operate in the winter time... but that's just me. Well, I take that back... the 2m rig gets used a lot during the summer... but that's just staying in touch locally. Nice radio to have on in the background when doing something else.

If ham radio needs anything, its a little more publicity.

Jim, K9JFK

--- In ham-antennas@yahoogroups.com, Ernie Rice <ranger2995@...> wrote:
>
> Ham radio is a dieing entity! Look at the average age of ham radio
> operators. We can't get new people because of the following reasons
> 1) No one wants to help them get started
> 2) Cost of good gear
> 3) cell phones
> 4) video games
> 5) No one will help them (o wait i said that)
> Just one persons view
>
> Ernie
>

21832. Re: Started new group

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 17:57:36 UTC
From: VE3FMC
Topic: 21802 Message: 21832

Well that would mean that this group could actually go back to discussing antennas and not the no code issue that has been dead for years (Or it should be because the code requirement isn't coming back ladies and gentlemen)

Rick VE3FMC

--- In ham-antennas@yahoogroups.com, "kb6qxm" <kb6qxm@...> wrote:
>
> All,
>
> Thanks to the back and forth of many off topics, I believed it was time to start a new group where open conversation about anything ham radio, good or bad will be allowed. The name of the new group is called Ham Radio Open Conversation. This will be a place for you to openly discuss ANYTHING ham radio and on occasion off topic.
>
> Everyone has an opinion.
>
> This group is open to discuss ANYTHING about ham radio. This group will be open to discuss Ham radio in the past, Ham radio presently and opinions of what ham radio will be in the future based on observations.
>
> I believe in free speech. You can discuss anything ham radio. Code versus No code. New license exams versus old license exams.
>
> Anything. The two above were just two possible subjects.
>
> This is your area to discuss anything ham radio.
>
> ARRL or any ham organization. Good or Bad comments.
>
> This is to debate ANYTHING ham radio related.
>
> If you decide to join this will be your forum. Be heard. I will allow anything short of verbal threats of bodily harm if you disagree on a subject.
>
> Open debate is good, if both parties allow debate. Please be open to debate and not just simple rants.
>
> Please try to base your comments on research and not conjecture.
>
> As this forum is open to all subject relating to ham radio and some off topics, if you are easily offended, this forum may not be for you.
>
> 73
>

> I saw the need, so it might take the off topics to a forum that all comments are welcome.
>

21833. Happy New Year 2012 to the list

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 18:36:19 UTC
From: Don
Topic: 21833 Message: 21833

Happy New Year 2012 to the list

GA, just wanted to wish all list members and their families a very Happy New Year 2012!
Hope to see some of you on the bands in 2012.

Don KB9UMT
http://www.30mdg.net (30 Meter Digital Group)

21834. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 19:36:56 UTC
From: Ron Youvan
Topic: 21818 Message: 21834

Van WD8AAM wrote:

> I've already got an OCF dipole,(80-6) it works well. I'm just trying to
> get some use out of the screwdrivers propped in the corner.
> And these are NOT ATAS 120's, they are High Sierra's. But they also
> have limitations, but you can work around. Efficiency at 40-80-160 is much
> less than with the higher bands.

"Efficiency at 40-80-160 is much less than with the higher bands."
That is the case of ANY "loaded" (or shortened) antenna.
Especially any HAM-stick.
Especially any high "Q" loop that is too small in diameter.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21835. Re: [ham-antennas] Re: Started new group

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 20:30:03 UTC
From: Ron Youvan
Topic: 21802 Message: 21835

Rick VE3FMC wrote:

> Well that would mean that this group could actually go back to discussing antennas and not the no
> code issue that has been dead for years (Or it should be because the code requirement isn't coming
> back ladies and gentlemen)

I delete freely and keep everything else forever.
I only leave a group when they start talking about car or boat engines.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21836. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-30 23:14:39 UTC
From: Don Sanders
Topic: 21818 Message: 21836

The following is one hams experience. I don't want to start any wars or my ant is better than UR ant lines.

About 25 years ago I ran mobile on 40 and 20 mainly and other bands occasionally.
I tried Hustler center fed , Hamsticks, Master mobile bandspanner, Mark Heliwhip on 40
and a bug catcher antenna.
I had the antennas mounted on the ladder at the back of a Chevy 20 Zimmer Van.
Then on a Honda Civic rear hatchback edge mount. Two extremes of vehicles.
I found the results varied between vehicles, but the final results were very similar

Well the bugcatcher was the best all bands. The BandSpanner was second by a hair and the
heliwhip was next on 40 with the hamstick close behind. The hamsticks for 80,40,20,and 10
were better than the Hustler. However the 15 meter Hustler worked very well.

I liked them so well, I still have the 40 meter mark Heliwhip I bought in 1959 and the mast
and 15 meter hustler coil ands the 20 meter Hamstick. Wish I still had the Master |Mobile BandSpanner.

I used base matching coils and capacitors, and a MFJ 914 autotuner extender with a small 100 WATT Kenwood mobile matchbox..
Different antennas required different matching for best far field strength.

When stopped I would attach a long wire onto the mount and throw a 1/4 wave wire up into
a tree or available support. I had quick disconnects and could switch antennas quickly and
several times switched between the 1/4 wave wire and a whip.
The 1/4 wave wire was usually 1 to 2 S units higher signal trength receive and transmit.
On rare occassions the wire allowed contacts when the whip would not.

The bugcatcher allowed day time contacts from Atlanta Georgia to Arizona, Texas areas
on 40 meters when the other antennas would not. I ran a TS 670 on 40 SSB at 10 watts
for these tests. Other bands I used a IC735.

I have not had the pleasure of using a screwdriver antenna for mobile
operation.
I would think they would be similar to the bugcatcher.

Dr Don W4BWS
w4bws1@...

On Fri, Dec 30, 2011 at 2:36 PM, Ron Youvan <ka4inm@...> wrote:

> **
>
>
> Van WD8AAM wrote:
>
> > I've already got an OCF dipole,(80-6) it works well. I'm just trying to
> > get some use out of the screwdrivers propped in the corner.
> > And these are NOT ATAS 120's, they are High Sierra's. But they also
> > have limitations, but you can work around. Efficiency at 40-80-160 is
> much
> > less than with the higher bands.
>
> "Efficiency at 40-80-160 is much less than with the higher bands."
> That is the case of ANY "loaded" (or shortened) antenna.
> Especially any HAM-stick.
> Especially any high "Q" loop that is too small in diameter.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>

[Non-text portions of this message have been removed]

21837. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 00:14:48 UTC
From: Ron Youvan
Topic: 21818 Message: 21837

Dr Don W4BWS wrote:

/*snip*/
> I have not had the pleasure of using a screwdriver antenna for mobile
> operation.
> I would think they would be similar to the bugcatcher.

I don't think so, the top loading with a 3-4" coil with a capacitive hat and short whip makes the
bug catcher the most efficient loaded mobile antenna out there.
(with a small base matching coil)
The screwdrivers are simply base loaded with a long whip, (not real efficient) but being tuned to
the current operating frequency is a big plus.

Remember when it comes to mobile antennas, the uglier they look, the better they work.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21838. Re: Happy New Year 2012 to the list

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 00:51:54 UTC
From: VE3FMC
Topic: 21833 Message: 21838

HAPPY NEW YEAR to all from the shack of VE3FMC. May 2012 treat you and your family well.

--- In ham-antennas@yahoogroups.com, "Don" <dhobson123@...> wrote:
>
> Happy New Year 2012 to the list
>
> GA, just wanted to wish all list members and their families a very Happy New Year 2012! Hope to see some of you on the bands in 2012.
>
> Don KB9UMT
> http://www.30mdg.net (30 Meter Digital Group)
>

21839. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 00:55:50 UTC
From: Don Sanders
Topic: 21818 Message: 21839

Thanks. Yes I believe the bugcatcher is the greatest.
BTW, a little off topic but funny antenna story.
I was traveling on the interstate 75 south from Atlanta and I was signalled to pull
over by State Patrol. I was not speeding so I stopped to see what was happening.
He came to car, Honda Civic, and asked why I had so many antennas on the car.
I had 8 antennas, 2 HF, 3 VHF and 2UHF and AM/FM whip.

I Explained that I was Radio Amateur and used several radios on different freequencies.
Thus different antennas.
He said I had been coming thru his VHF radio as I passed where he was parked.
I keyed up my radios one at a time and sure enough over the loud speaker I heard my voice.
It was the 10 meter radio. I asked if I could see his set up to see if there was a long wire that
acted as an antenna. In the trunk was the radio with no case on it.
He said he had been in the shop for repair the previous day and it was fixed.
I told him to go back to the shop and get the case so the radio would be shielded.

He asked about how to become a ham and I demonstrated my radios on 20 and 15 meters
and the local 2 meter repeater. I gave him a flyer from the ARRL and Atlanta radio club and
told him they had classes to help people learn the rules and tech info needed to pass the test.
I had a TECH liscense study guide my son and wife had used to get their license with me. So I gave it to him

About 3 months later I was again on the same stretch of road when I heard my call on 2 meters, very loud.
Behind me was the trooper and he had a 2 meter rig in the car. He had just received his license.

I had not known it but he told me a good friend of his was a trooper in Florida out of Titusville.
Well it turned out that I was also good friends with TOM and he was also a HAM.
So you never know when or where you will become an ambassador for ham radio.

It pays to have something to give people when they ask.
I also later enjoyed several afternoons at the troopers house watching
Georgia Football on TV.

Dr Don W4BWS

On Fri, Dec 30, 2011 at 7:14 PM, Ron Youvan <ka4inm@...> wrote:

> **
>
>
> Dr Don W4BWS wrote:
>
> /*snip*/
>
> > I have not had the pleasure of using a screwdriver antenna for mobile
> > operation.
> > I would think they would be similar to the bugcatcher.
>
> I don't think so, the top loading with a 3-4" coil with a capacitive hat
> and short whip makes the
> bug catcher the most efficient loaded mobile antenna out there.
> (with a small base matching coil)
> The screwdrivers are simply base loaded with a long whip, (not real
> efficient) but being tuned to
> the current operating frequency is a big plus.
>
> Remember when it comes to mobile antennas, the uglier they look, the
> better they work.
>
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>
>
>

[Non-text portions of this message have been removed]

21840. Re: [ham-antennas] Screwdriver Antennas, HOW to use for home use, not mobile?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 01:28:58 UTC
From: van wd8aam
Topic: 21818 Message: 21840

Dr Don: A very heart-warming story, I loved it. Van wd8aam

At 00:55 12/31/2011, you wrote:
>Thanks. Yes I believe the bugcatcher is the greatest.
>BTW, a little off topic but funny antenna story.
>I was traveling on the interstate 75 south from Atlanta and I was signalled
>to pull
>over by State Patrol. I was not speeding so I stopped to see what was
>happening.
>He came to car, Honda Civic, and asked why I had so many antennas on the
>car.
> I had 8 antennas, 2 HF, 3 VHF and 2UHF and AM/FM whip.
>
>I Explained that I was Radio Amateur and used several radios on different
>freequencies.
>Thus different antennas.
>He said I had been coming thru his VHF radio as I passed where he was
>parked.
>I keyed up my radios one at a time and sure enough over the loud speaker I
>heard my voice.
>It was the 10 meter radio. I asked if I could see his set up to see if
>there was a long wire that
>acted as an antenna. In the trunk was the radio with no case on it.
>He said he had been in the shop for repair the previous day and it was
>fixed.
>I told him to go back to the shop and get the case so the radio would be
>shielded.
>
>He asked about how to become a ham and I demonstrated my radios on 20 and
>15 meters
>and the local 2 meter repeater. I gave him a flyer from the ARRL and
>Atlanta radio club and
> told him they had classes to help people learn the rules and tech info
>needed to pass the test.
>I had a TECH liscense study guide my son and wife had used to get their
>license with me. So I gave it to him
>
>About 3 months later I was again on the same stretch of road when I heard
>my call on 2 meters, very loud.
>Behind me was the trooper and he had a 2 meter rig in the car. He had just
>received his license.
>
>I had not known it but he told me a good friend of his was a trooper in
>Florida out of Titusville.

> Well it turned out that I was also good friends with TOM and he was also a
>HAM.
>So you never know when or where you will become an ambassador for ham
>radio.
>It pays to have something to give people when they ask.
>I also later enjoyed several afternoons at the troopers house watching
>Georgia Football on TV.
>
>Dr Don W4BWS

>On Fri, Dec 30, 2011 at 7:14 PM, Ron Youvan <ka4inm@...> wrote:
> > Dr Don W4BWS wrote:
> >> > I have not had the pleasure of using a screwdriver antenna for mobile
> > > operation.
> > > I would think they would be similar to the bugcatcher.
> >
> > I don't think so, the top loading with a 3-4" coil with a capacitive hat
> > and short whip makes the
> > bug catcher the most efficient loaded mobile antenna out there.
> > (with a small base matching coil)
> > The screwdrivers are simply base loaded with a long whip, (not real
> > efficient) but being tuned to
> > the current operating frequency is a big plus.
> >
> > Remember when it comes to mobile antennas,
> the uglier they look, the better they work.
> > Ron KA4INM
>-----------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions.
>Replies go to ALL 2752 members (as of 10/30/11). and attachments
>are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY
>be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
> To visit your group on the web, go to:
> http://groups.yahoo.com/group/ham-antennas/

21841. Re: G5RV vs 30m .64wave extend double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 02:37:09 UTC
From: kb7gl
Topic: 21673 Message: 21841

Not a problem -- what I'm thinking, when I type, and what others infer, can often be on separate tracks!

73, Vic KB7GL

--- In ham-antennas@yahoogroups.com, "fred" <radiomanl@...> wrote:
>
> sorry , guess I misunderstood your post .
> kd5pnt
>
> --- In ham-antennas@yahoogroups.com, "kb7gl" <vic.owen@> wrote:
> >
> > Fred - I wasn't inferring that one should remove the insulation from zip cord -- if backpacking, I would use an antenna made from spooled solid magnet wire or something similar - zip cord would be excess weight. Every ounce counts, when on one's back -- in my saddlebags, not so much.
> >
> > -Vic
> >
> > --- In ham-antennas@yahoogroups.com, "fred" <radiomanl@> wrote:
> > >
> > > removing the insulation from zip wire would not reduce the weight much . all that would happen is that you would have a tangled mess to unravel everytime you wanted to use it . the wire strands also tend to want to separate by themselves .
> >
>

21842. Re: G5RV vs 30m .64wave extened double zep.

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 02:54:28 UTC
From: kb7gl
Topic: 21673 Message: 21842

Related to this string, today, I constructed a ZS6BKW antenna, using 40 ft of 450 ladder line & abt 6 ft of RG-223 coax into the shack. SWR was less than 1.7:1 on all but 10M, 15M & 30M. 10M came in at 2.5:1, at 28.050. 40M had zero power reflected on 7.050. I could probably tweak the ladder line length, but it's not really worth the effort. They all tuned fine with the MFJ-962D.

Next step is to run the ladder line directly to the MFJ tuner.

This antenna is similar to the G5RV, but a little shorter, and with low SWR on several bands. It seems to be performing better than my ground mounted Hustler 4BTV by a couple of S-units. The apex is at 30 ft.

Here's a good link for the antenna:

http://www.nonstopsystems.com/radio/frank_radio_antenna_ZS6BKW.htm

73, Vic KB7GL

> >
> > John,
> >
> > I have a 102-ft doublet (same length as a full-sized G5RV) fed with 100
> > feet of 450-ohm ladder line (although the length doesn't matter) connected
> > to a wide-range tuner (MFJ-998). It tunes 80 to 6 meters quite well except
> > for 15, which is OK on the low end of the band, but unusable over 21.1.
> >
> > It works quite well on 40, 30, and 20. I've worked lots of DX on these
> > bands, as well as local and medium-distance stations.
> >
> > By shorting the ladder line leads and working against long radials, it
> > also
> > loads on 160.
> >
> > If you have the room, try it. MFJ sells one for about what the ladder line
> > would cost from most suppliers.
> >
> > 73,
> > Frank
> > KF6E
> >
> > On Wed, Dec 28, 2011 at 8:08 AM, ko1hqrp <ko1h@...
> > <mailto:ko1h%40cox.net> > wrote:
> >
> > > **
> > >

> > >
> > > Hi All Likely to be replacing my current Windom with a Doublet.
> > > Considering the following. G5rv a proven performer is 51ft on a side
> > with
> > > the odd 30ft of LL. A 30m extended zep is about 62 Ft on a side with the
> > > odd LL. Can I have some opinions on how this will play as a mulitband
> > > antenna vs the traditional G5rv. 30m, 40 and 20 are my main bands of
> > > interest for this antenna. Let me know what yall think.
> > >
> > > de John ko1h
> > >
>

21843. Re: [ham-antennas] Re: Started new group

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 15:16:38 UTC
From: aa2id@aol.com
Topic: 21802 Message: 21843

I really thought the original comments concerning code was very
interesting.
It wasn't until the argument, about its being said on this site
started, that I found I was using the delete Key.

I do appreciate all the info available on the list.

Merry Christmas and Happy New Year, everyone.

Hal AA2ID

PS: to make it legal, this is coming from my antenna, a horizontal
loop.

-----Original Message-----
From: Ron Youvan <ka4inm@....com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Fri, Dec 30, 2011 10:30 am
Subject: Re: [ham-antennas] Re: Started new group

Rick VE3FMC wrote:

> Well that would mean that this group could actually go back to
discussing antennas and not the no
> code issue that has been dead for years (Or it should be because the
code requirement isn't coming
> back ladies and gentlemen)

I delete freely and keep everything else forever.
I only leave a group when they start talking about car or boat engines.
--
Ron KA4INM - Did you know ...
... that no-one ever reads these things?

21844. 2012 is fast approaching...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 19:19:59 UTC
From: KE5LIB
Topic: 21844 Message: 21844

Hello folks...

I posted this to the Yahoo! GE MVS group, and found myself
hard put to think of anything better to say as far as New
Years goes... so I offer this to all here in the spirit and
hope that 2012 will be a much better year than the last three...

Ahem... mi mi mi... here goes... (sprays throat with something
from a weird looking bottle, and blows into a pitch pipe)...

2012 is fast approaching, and am I ever hoping it'll be much better than 2011, folks...

Here's my thank you to all of you for joining our group and
being a part of it all. And a prayer that God watch over all
of us, and our families as the time swiftly passes, and unfolds
anew before us all. There is still much to be thankful for, and
the association we have as hams is a remarkable thing. We are
among the rare few that reach outside the commonplace means of
contacting others, enjoying a remarkable camaraderie that defies
distance, space and time, and unites us all in a wonderful way!

May it be that...

We are never called upon to render our services for a true emergency,
but remain always vigilant and ready to do so. Better to be an armchair general than a
battle-weary private. But keep that go kit ready, just in case, and those batteries
charged!! And I didn't say anything about changes of underwear or deodorant! But do
remember this: "Blessed are the merciful, for they shall OBTAIN mercy". Be proactive and
pack well!!

We share with others this simple miracle of communication, unaffected
by things beyond control, like other means of communication have to face, and deal with.
And the best part? NO RATE PLAN INCREASES!!!

We appreciate every privilege, band, opportunity and chance to further
our advancement in our licensing and our hobby, guarding our precious
allocations of bandwidths by use and education, experimentation and advocacy, instead of
complaining about things. The parable about the "talents" and the men entrusted with their
care, investment and keeping applies here!

We continue to keep in perspective what we do as hams, never neglecting our duties and
responsibilities, and the most precious
relationships we have; namely our families and spouses. Radio is
a wonderful part of our life, and it can enhance many aspects of it
if we share our hobby with those we love. My YF Judy just loves the fact that I'm a ham!
She is proud to tell all her friends that she NEVER has to worry about keeping me out of
the bars and out of trouble!

When we think that there is nothing more the hobby of amateur radio can offer us, let us offer something for it- the best way to learn something is to teach what we know about it, and the best way to rekindle enthusiasm is to share what we know, and see the all-too-familiar excitement in their eyes that was once in ours, and like sparks from a fire, it'll "light us up" all over again! If ya
gotta "feel the burn", this is the best way!

If there is a moment when we can think we have been slighted, injured or mistreated, but we aren't sure, instead of allowing the bitterness to take hold, shake it off instead and keep going. Things are really sometimes not what they seem, and thank God for that!! This is one instance where it really is nice to be mistaken!!

We make it a point to learn something, no matter what "size" it is.
At least once a week. This is what keeps us fresh and new, and current. And yes it takes work, but think of the reward. You've staved off the monster of senility for another day!!

Finding humor comes easier and easier. Whoever said that laughter is a "cry of respiratory distress" must have been bored witless. There is so much humor around a person that nary a frown should take shape. And it's really easier to think of something funny than it is to think of anything else. Did I mention anything about endorphins?
Laughter is a helluva way to release them- better than running!!
And for some of us fat people that means fewer bruises and black eyes!!

As you count your blessings, remember just one thing- there are folk that are just as crazy as you are right here at Yahoo! GE MVS Group.
You are part of an elite society in more ways than you can shake a stick at, whatever that means...

So, Happy New Year, y'all, and 73!!

Mark KE5LIB

21845. Re: Started new group

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 19:30:41 UTC
From: KE5LIB
Topic: 21802 Message: 21845

Well...

(That was Ronald Reagan's favorite speech opener...)

I endured the hilarity and blessed bowel obstructing ignorance of the politics and posturing in rabbit breeder forums, and all the ridiculous PETArded crap about the "animal rights terrorists". Personally, anyone with that much time on their hands to faunch and fume about perceived injuries and slights from their following, rather that the ones they ardently rail about, should be given a large volume ice water enema, buttered, roasted on a spit over an open flame, then thrown to the coyotes.

This is actually refreshing. I've learned so much about antennas here.
And yes. I had code down before it was no longer required, and all I can say to the whole "dumbing down" view?

If you wanna see me dumbed down, watch me slog bravely through Echolink!!

just me dos centavos, chums... 73!

marky ke5lib radio free rabbit

--- In ham-antennas@yahoogroups.com, Ron Youvan <ka4inm@...> wrote:
>
> Rick VE3FMC wrote:
>
> > Well that would mean that this group could actually go back to discussing antennas and not the no
> > code issue that has been dead for years (Or it should be because the code requirement isn't coming
> > back ladies and gentlemen)
>
> I delete freely and keep everything else forever.
> I only leave a group when they start talking about car or boat engines.
> --
> Ron KA4INM - Did you know ...
> ... that no-one ever reads these things?
>

21846. Re: Started new group

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 20:27:10 UTC
From: Ralph Apache
Topic: 21802 Message: 21846

Love the Ronald Reagan saying.

Sent from my iPhone
v/r Ralph
WH7PD

21847. Re: 2012 is fast approaching...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 20:43:40 UTC
From: Ralph
Topic: 21844 Message: 21847

Mark
Thank you soooo much for being a part of the HAM radio adventure. I have only had my license since 2008. It has been a privilege and honor to learn, teach and volunteer my time to show others. Happy New Year to you and your family and as Mr. Spock would say "Live Long and Prosper".

Happy New Year (Yaquis) or "New Year happy"
   bemela   tu'i   wasuktia

Hauoli Makahikihou
"Happy New Year (Hawaiian)

v/r
Ralph wh7pd. (Aloha from Hawaii)

--- In ham-antennas@yahoogroups.com, "KE5LIB" <dieselheart001@...> wrote:
>
> Hello folks...
>
> I posted this to the Yahoo! GE MVS group, and found myself
> hard put to think of anything better to say as far as New
> Years goes... so I offer this to all here in the spirit and
> hope that 2012 will be a much better year than the last three...
>
> Ahem... mi mi mi... here goes... (sprays throat with something
> from a weird looking bottle, and blows into a pitch pipe)...
>
>
> 2012 is fast approaching, and am I ever hoping it'll be much better than 2011, folks...
>
> Here's my thank you to all of you for joining our group and
> being a part of it all. And a prayer that God watch over all
> of us, and our families as the time swiftly passes, and unfolds
> anew before us all. There is still much to be thankful for, and
> the association we have as hams is a remarkable thing. We are
> among the rare few that reach outside the commonplace means of
> contacting others, enjoying a remarkable camaraderie that defies
> distance, space and time, and unites us all in a wonderful way!
>
> May it be that...
>
> We are never called upon to render our services for a true emergency,
> but remain always vigilant and ready to do so. Better to be an armchair general than a battle-weary private. But keep that go kit ready, just in case, and those batteries charged!! And I didn't say anything about changes of underwear or deodorant! But do remember this: "Blessed are the merciful, for they shall OBTAIN mercy". Be proactive and

pack well!!
>
> We share with others this simple miracle of communication, unaffected
> by things beyond control, like other means of communication have to face, and deal with. And the best part? NO RATE PLAN INCREASES!!!
>
> We appreciate every privilege, band, opportunity and chance to further
> our advancement in our licensing and our hobby, guarding our precious
> allocations of bandwidths by use and education, experimentation and advocacy, instead of complaining about things. The parable about the "talents" and the men entrusted with their care, investment and keeping applies here!
>
> We continue to keep in perspective what we do as hams, never neglecting our duties and responsibilities, and the most precious
> relationships we have; namely our families and spouses. Radio is
> a wonderful part of our life, and it can enhance many aspects of it
> if we share our hobby with those we love. My YF Judy just loves the fact that I'm a ham! She is proud to tell all her friends that she NEVER has to worry about keeping me out of the bars and out of trouble!
>
> When we think that there is nothing more the hobby of amateur radio can offer us, let us offer something for it- the best way to learn something is to teach what we know about it, and the best way to rekindle enthusiasm is to share what we know, and see the all-too-familiar excitement in their eyes that was once in ours, and like sparks from a fire, it'll "light us up" all over again! If ya
> gotta "feel the burn", this is the best way!
>
> If there is a moment when we can think we have been slighted, injured or mistreated, but we aren't sure, instead of allowing the bitterness to take hold, shake it off instead and keep going. Things are really sometimes not what they seem, and thank God for that!! This is one instance where it really is nice to be mistaken!!
>
> We make it a point to learn something, no matter what "size" it is.
> At least once a week. This is what keeps us fresh and new, and current. And yes it takes work, but think of the reward. You've staved off the monster of senility for another day!!
>
> Finding humor comes easier and easier. Whoever said that laughter is a "cry of respiratory distress" must have been bored witless. There is so much humor around a person that nary a frown should take shape. And it's really easier to think of something funny than it is to think of anything else. Did I mention anything about endorphins?
> Laughter is a helluva way to release them- better than running!!
> And for some of us fat people that means fewer bruises and black eyes!!
>
> As you count your blessings, remember just one thing- there are folk that are just as crazy as you are right here at Yahoo! GE MVS Group.
> You are part of an elite society in more ways than you can shake a stick at, whatever that means...
>
> So, Happy New Year, y'all, and 73!!
>
> Mark KE5LIB

>

21848. Re: [ham-antennas] Re: 2012 is fast approaching...

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 21:47:46 UTC
From: Ka9egw
Topic: 21844 Message: 21848

Peace, and long life.

Sent from Samsung Conquer™ 4G

Ralph <apache007@...> wrote:

Mark
  Thank you soooo much for being a part of the HAM radio adventure. I have only had my license since 2008. It has been a privilege and honor to learn, teach and volunteer my time to show others. Happy New Year to you and your family and as Mr. Spock would say "Live Long and Prosper".

    Happy New Year (Yaquis) or "New Year happy"
   bemela   tu'i   wasuktia

Hauoli Makahikihou
"Happy New Year (Hawaiian)

v/r
Ralph wh7pd. (Aloha from Hawaii)

--- In ham-antennas@yahoogroups.com, "KE5LIB" <dieselheart001@...> wrote:
>
> Hello folks...
>
> I posted this to the Yahoo! GE MVS group, and found myself
> hard put to think of anything better to say as far as New
> Years goes... so I offer this to all here in the spirit and
> hope that 2012 will be a much better year than the last three...
>
> Ahem... mi mi mi... here goes... (sprays throat with something
> from a weird looking bottle, and blows into a pitch pipe)...
>
>
> 2012 is fast approaching, and am I ever hoping it'll be much better than 2011, folks...
>
> Here's my thank you to all of you for joining our group and
> being a part of it all. And a prayer that God watch over all
> of us, and our families as the time swiftly passes, and unfolds
> anew before us all. There is still much to be thankful for, and
> the association we have as hams is a remarkable thing. We are
> among the rare few that reach outside the commonplace means of
> contacting others, enjoying a remarkable camaraderie that defies
> distance, space and time, and unites us all in a wonderful way!
>
> May it be that...
>

> We are never called upon to render our services for a true emergency,
> but remain always vigilant and ready to do so. Better to be an armchair general than a battle-weary private. But keep that go kit ready, just in case, and those batteries charged!! And I didn't say anything about changes of underwear or deodorant! But do remember this: "Blessed are the merciful, for they shall OBTAIN mercy". Be proactive and pack well!!
>
> We share with others this simple miracle of communication, unaffected
> by things beyond control, like other means of communication have to face, and deal with. And the best part? NO RATE PLAN INCREASES!!!
>
> We appreciate every privilege, band, opportunity and chance to further
> our advancement in our licensing and our hobby, guarding our precious
> allocations of bandwidths by use and education, experimentation and advocacy, instead of complaining about things. The parable about the "talents" and the men entrusted with their care, investment and keeping applies here!
>
> We continue to keep in perspective what we do as hams, never neglecting our duties and responsibilities, and the most precious
> relationships we have; namely our families and spouses. Radio is
> a wonderful part of our life, and it can enhance many aspects of it
> if we share our hobby with those we love. My YF Judy just loves the fact that I'm a ham! She is proud to tell all her friends that she NEVER has to worry about keeping me out of the bars and out of trouble!
>
> When we think that there is nothing more the hobby of amateur radio can offer us, let us offer something for it- the best way to learn something is to teach what we know about it, and the best way to rekindle enthusiasm is to share what we know, and see the all-too-familiar excitement in their eyes that was once in ours, and like sparks from a fire, it'll "light us up" all over again! If ya
> gotta "feel the burn", this is the best way!
>
> If there is a moment when we can think we have been slighted, injured or mistreated, but we aren't sure, instead of allowing the bitterness to take hold, shake it off instead and keep going. Things are really sometimes not what they seem, and thank God for that!! This is one instance where it really is nice to be mistaken!!
>
> We make it a point to learn something, no matter what "size" it is.
> At least once a week. This is what keeps us fresh and new, and current. And yes it takes work, but think of the reward. You've staved off the monster of senility for another day!!
>
> Finding humor comes easier and easier. Whoever said that laughter is a "cry of respiratory distress" must have been bored witless. There is so much humor around a person that nary a frown should take shape. And it's really easier to think of something funny than it is to think of anything else. Did I mention anything about endorphins?
> Laughter is a helluva way to release them- better than running!!
> And for some of us fat people that means fewer bruises and black eyes!!
>
> As you count your blessings, remember just one thing- there are folk that are just as crazy as you are right here at Yahoo! GE MVS Group.

> You are part of an elite society in more ways than you can shake a stick at, whatever that means...
>
> So, Happy New Year, y'all, and 73!!
>
> Mark KE5LIB
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 2752 members (as of 10/30/11). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo! Groups Links

[Non-text portions of this message have been removed]

21849. Loop Update + Happy New Year

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 21:50:34 UTC
From: goldtr8@charter.net
Topic: 21849 Message: 21849

Dear All

First let me say Happy New to everyone.

Second I have changed my balun from a 1:1 to a 4:1 and it seemed to wake the antenna up even more with radio.

There are some areas where it is now resonant without a tuner and this to me is amazing with a simple balun change.

Last night I heard Antartica as a legit S7 on the loop, too bad they did not hear me thru the pile up but they did not spend a lot of time on the 8 call land.

Again thank you to everyone who has provided me help in this project as it was most definately worth the effort.

Happy New Year to all and may you have great DX in 2012

~73
Don
KD8NNU

[Non-text portions of this message have been removed]

21850. End fed length question?

Yahoo group: ham-antennas (2011-08 — 2011-12)
Date: 2011-12-31 23:59:53 UTC
From: Jim Whitaker
Topic: 21850 Message: 21850

I'm building an end fed with a 9:1 UNUN which I've already wound. Now my one and only question is, is there any reason to actually cut the radiator wire to 1/2 wave length at the lowest frequency as opposed to just throwing a slightly longer piece of wire I happen to have laying around(75 feet)? I'm building this as an emergency antenna.

DE N8XYN Jim K